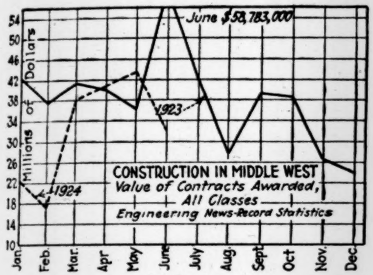
CONSTRUCTION NEWS

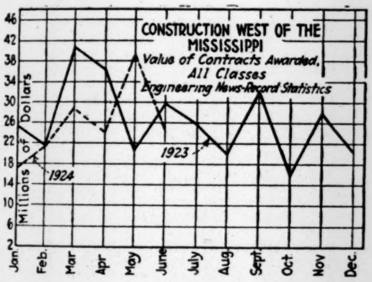
Engineering News-Record, July 17, 1924

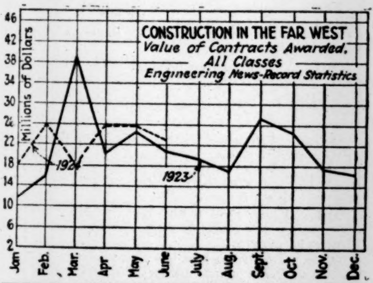
The Construction Barometer

June Contracts Below Preceding Month—Gain During Past Week, Particularly in Large Private Buildings

PRODUCTION has been steadily declining for the past three months; June contracts decreased in money value from the month preceding, in nearly all parts of the country; unemployment has increased considerably during the past thirty days in the manufacturing industries. These three negative factors are partially offset, however, by the following favorable developments: (1) Improvement in crop and price conditions in the agricultural sections; (2) a gain in Federal Reserve debits to individual accounts; (3) activity in buying of bonds and stocks due to lowering of discount rates; (4) increase in latest weekly reports of freight loadings. Value of large contracts let during the week ended July 10, showed a substantial gain over the week preceding, particularly in large private buildings. The number of bids desired on big jobs, all classes, also increased. Reductions in building materials prices are not being followed by similar recessions in the cost of labor.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
June 26	$23,038,000	$14,521,000	$37,559,000
July 3	14,542,000	7,469,000	22,011,000
July 10	18,613,000	12,054,000	30,667,000
3 weeks	$56,193,000	$34,044,000	$90,237,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

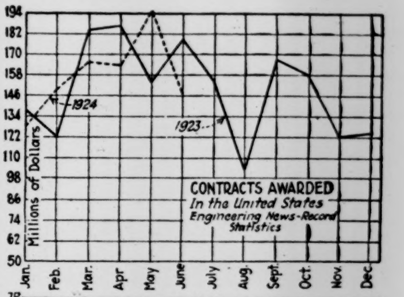
Week Ended	No.	Public Work	No.	Private Work
June 26	12	$2,170,000	30	$7,414,000
July 3	6	3,530,000	19	5,845,000
July 10	11	2,899,000	30	7,475,000
3 Weeks	29	$8,599,000	79	$20,734,000

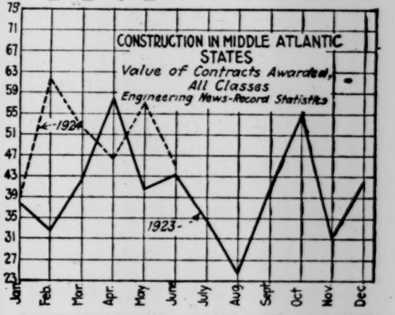
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

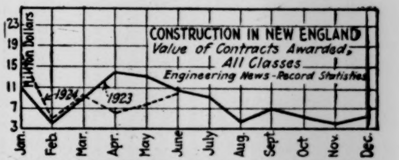
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
June 26	20	31	86	31	205
July 3	17	28	85	40	196
July 10	30	34	93	46	213

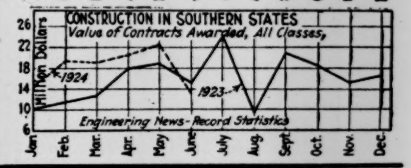
WEAKNESS CONTINUES IN STEEL—PINE FIRMER

	Quoted on July 17 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$1.95 @2.15	$2.20 @2.20	July 10
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	57.00	54.00	Jan. 10
Fir, San Fran., M.ft.	34.00	36.00	July 10
Common labor, hr.	.56	.55	Apr.. 24









PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 18	Brooklyn, N. Y.	July 10
July 18	New York, N. Y.	July 17
July 19	Staunton, Va.	July 17
July 21	Denver, Colo.	July 3
July 21	Minneapolis, Minn.	July 17
July 21	Schleswig, Ia.	July 17
July 21	Watertown, S. D.	July 17
July 22	St. Paul, Minn.	July 17
July 22	Dallas, Tex.	July 10
July 23	Cleveland, O Adv. July 17.	July 17
July 23	Baltimore, Md.	July 17
July 25	Washington, D. C. Adv. July 17.	July 17
July 29	Newport, Ky.	July 17
Aug. 11	Dallas, Tex.	July 17
Aug. 15	Aztec, N. Mex. Adv. July 17.	July 17

SEWERS

Bids Close		See Eng. News-Record
July 18	Port Washington, N. Y.	July 3
July 21	Port Chester, N. Y.	July 3
July 21	Hasbrouck Heights (Hackensack P. O.), N. J.	June 26
July 21	South Coatesville, Pa.	July 10
July 21	Romeo, Mich.	July 17
July 21	Rochester, Mich.	July 17
July 24	Bentonville, Ark.	July 10
July 25	Nanty-Glo, Pa.	July 17
July 28	Eldorado, Ark.	July 10
July 28	Punxsutawney, Pa. Adv. July 10 and 17.	July 10
July 28	Dumont, N. J. Adv. July 10 and 17.	July 17
July 30	Detroit, Mich.	July 17
July 31	Media, Pa. Adv. July 17.	July 17
July 31	Tulsa, Okla.	June 26
Aug. 5	Corsicana, Tex. Adv. July 10 and 17.	July 10
Aug. 5	Toronto, Ont.	July 17
Aug. 5	Richmond, Va. Adv. July 17.	July 17
Aug. 15	Waco, Tex.	July 3

WASTE DISPOSAL

Bids Close		See Eng. News-Record
July 29	Long Beach, Calif.	July 10

BRIDGES

Bids Close		See Eng. News-Record
July 17	North Adams, Mass. Adv. July 10 and 17.	July 10
July 18	Wheaton, Ill.	July 17
July 19	Cambridge, Mass.	July 3
July 21	New Jersey	July 10
July 22	Missouri	July 17

Bids Close		See Eng. News-Record
July 22	Aurora, Ill. Adv. July 17.	July 17
July 23	Florida Adv. June 26 to July 17.	June 26
July 24	Valhalla, N. Y. Adv. July 10 and 17.	July 10
July 24	San Diego, Calif.	July 17
July 28	South Beloit (Beloit, Wis., P. O.), Ill.	July 10
July 28	New Jersey Adv. July 10 and 17.	July 17
July 31	Austin, Tex.	July 17
July 31	West Chester, Pa. Adv. July 17.	July 17
Aug. 4	Kentucky	July 10
Aug. 5	North Carolina	July 17
Aug. 6	Freehold, N. J. Adv. July 17.	July 17
Aug. 7	Hollywood, Fla.	July 17

DAMS

Bids Close		See Eng. News-Record
July 25	Norwalk, Conn. Adv. July 17.	July 17

RAILWAYS

Bids Close		See Eng. News-Record
July 22	New Jersey	July 17

EXCAVATION, DRAINAGE IRRIGATION

Bids Close		See Eng. News-Record
July 22	Albany, N. Y. Adv. July 17.	July 17
July 22	Texarkana, Ark.	July 17
July 26	Wynn, Ark.	July 17
July 28	Houston, Tex.	July 17
Aug. 2	El Paso, Tex.	July 17

STREETS AND ROADS

Bids Close		See Eng. News-Record
July 19	Shreveport, La.	July 10
July 19	Terre Haute, Ind.	July 17
July 19	Booneville, Ind.	July 17
July 19	Melrose, Mass.	July 17
July 21	Akron, O.	July 17
July 21	Cleveland, O.	July 10
July 21	Red Bank, N. J. Adv. July 3 to 17.	July 3
July 21	Springfield, N. J.	July 10
July 21	Oklahoma	July 10
July 21	Claremore, Okla.	July 10
July 21	Michigan	July 10
July 21	Galesburg, Ill.	July 17
July 22	New York, N. Y.	July 17
July 22	Missouri	July 17
July 22	Louisiana	July 3
July 22	St. Louis, Mo.	June 26
July 22	Barboursville, W. Va.	July 10
July 22	Lakeland, Fla.	July 10
July 22	Maryland Adv. July 10 and 17.	July 17
July 22	Massachusetts	July 17
July 22	Wisconsin	July 17
July 22	Louisiana	July 17
July 22	New Albany, Miss.	July 17
July 23	Amarillo, Tex.	July 10
July 23	Boston, Mass.	July 17
July 23	Brooklyn, N. Y.	July 17
July 23	Baltimore, Md.	July 17
July 24	Denison, O.	July 17
July 24	Whitesburg, Ky.	July 17
July 24	Scarsdale, N. Y. Adv. July 10 and 17.	July 10
July 24	Goodland, Kan.	July 10
July 24	Louisiana	July 10
July 24	Scotia, N. Y. Adv. July 17.	July 17
July 25	Olathe, Kan.	July 3
July 25	Sonora, Tex.	July 10
July 25	Hudson, N. Y. Adv. July 10 and 17.	July 10
July 25	Grand Forks, N. D.	July 17
July 25	South Fork, Pa.	July 17
July 25	Nanty-Glo, Pa.	July 17
July 28	Waseca, Ill.	July 10
July 28	California	July 17
July 28	Belleville, N. J. Adv. July 10 and 17.	July 17
July 28	Silvis, Ill.	July 17
July 29	Closter, N. J. Adv. July 17.	July 17
July 29	St. Louis, Mo.	July 10
July 29	Pennsylvania Adv. July 10 and 17.	July 10
July 29	Tyler, Tex.	July 17
July 29	Minnesota	July 17
July 29	Massachusetts	July 17
July 29	Richmond, Va.	July 17
July 29	Louisiana	July 17
July 30	Delaware Adv. July 17.	July 17
July 30	Mound City, Kan.	July 3
July 30	Ferndale, Pa.	July 17
July 30	Brownstown, Pa.	July 17
July 31	Louisville, Ky.	July 17
Aug. 1	New York Adv. July 17.	July 17
Aug. 1	Houston, Tex.	July 10
Aug. 1	Girard, Kan.	July 17
Aug. 4	Kentucky	July 10
Aug. 4	Cattaraugus, N. Y. Adv. July 17.	July 17
Aug. 4	Plainfield, N. J. Adv. July 17.	July 17
Aug. 5	Washington, N. C. Adv. July 17.	July 17
Aug. 5	Jasper, Ala.	July 17
Aug. 5	North Carolina	July 17
Aug. 6	St. Louis, Mo.	July 17
Aug. 6	Pontotoc, Miss.	July 17

BUILDINGS—INDUSTRIAL

Bids Close		See Eng. News-Record
July 19	Phila., Pa.	July 17
July 22	Wende, N. Y.	July 17

BUILDINGS—COMMERCIAL

Bids Close		See Eng. News-Record
July 21	Decatur, Ill.	July 10
July 21	Bloomington, Ind.	July 17
July 21	Ft. Wayne, Ind.	July 17
July 21	Evansville, Ind.	July 17
July 22	Norristown, Pa.	June 26
July 22	St. Louis, Mo.	June 26
July 24	Canon City, Colo.	July 10
July 24	New Orleans, La.	July 3
July 24	Newport, Ky.	July 17
July 24	Murray, Ky.	July 17
July 24	New York, N. Y.	July 17
July 24	Chicago, Ill.	July 17
July 25	Portsmouth, O.	July 17
July 26	Decatur, Ill.	July 10
July 26	Wishawaka, Ind.	July 17
July 26	Madison, Wis.	July 17
July 28	South Bend, Ind.	July 17
July 30	Detroit, Mich.	July 17
Aug. 1	Chicago, Ill.	July 17
Aug. 11	Greigsville, N. Y. Adv. July 10 and 17.	July 10

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
July 21	Post Office—Jerseyville, Ill.	June 26
July 22	Road—North Little Rock, Ark.	June 26
July 22	Steel—Louisville, Ky.	July 10
July 22	Steel, Castings, etc.—Louisville, Ky. Adv. June 26 to July 17.	June 26
July 22	Walks, etc.—Tupper Lake, N. Y. Adv. July 3 to 17.	July 3
July 23	Brush, Roles—Memphis, Tenn.	July 3
July 23	Grading—San Francisco, Calif.	June 26
July 23	Buildings — San Francisco, Calif.	June 26
July 24	Hydrated Lime—Louisville, Ky. Adv. June 26 to July 17.	June 26
July 28	Dredging—Texas Adv. July 3 to 17.	July 3
July 30	Store House Depot, etc.—Pearl Harbor, H. T.	June 5
July 30	Water Intake—Great Lakes, Ill.	July 17
July 31	Riprap—Norfolk Harbor, Va. Adv. July 17.	July 17
Aug. 1	Steel Roof Trusses—Florence, Ala. Adv. July 10 and 17.	July 10
Aug. 1	Hopper Dredge—Mobile, Ala. Adv. July 17.	July 17
Aug. 4	Dredging — Galveston, Tex. Adv. July 10 and 17.	July 10
Aug. 5	Bridge—Florence, Ala. Adv. May 15 to July 17.	May 15
Aug. 5	Levee—Vicksburg, Miss. Adv. July 17.	July 17
Aug. 12	School—Franklin, Tenn. Adv. July 17.	July 17
Aug. 12	Roads—Whipple Barracks, Ariz. Adv. July 17.	July 17
Aug. 13	Steel Water Tanks—Pearl Harbor, H. T.	July 3
Aug. 15	Dredging—Providence, R. I. Adv. July 17.	July 17
Aug. 17	Dipper Dredges—Louisville, Ky. Adv. July 3 to 17.	July 10
Sept. 2	Chutes, etc.—Honolulu, H. I.	July 3

UNCLASSIFIED

Bids Close		See Eng. News-Record
July 18	Bagging Garners, etc.—Brooklyn, N. Y. Adv. June 26 to July 17.	June 26
July 18	Heating and Plumbing—Oswego, N. Y. Adv. June 26 to July 17.	June 26
July 18	Dock, etc.—Waterford, N. Y.	June 26
July 21	Street Lighting—Elmhurst, Ill. Adv. July 17.	July 17
July 24	Borings—New York, N. Y.	July 17
July 25	Pavilion—Elizabeth, N. J. Adv. July 17.	July 17
Aug. 4	Insulators—Melbourne, Victoria, Australia	June 12
Sept. 15	Bushing Insulators—Melbourne, Victoria, Australia	July 10

MATERIAL AND EQUIPMENT

Bids Close		See Eng. News-Record
July 22	Crushed Rock, Sand, etc. — Minneapolis, Minn.	July 17
July 22	Paving Materials—St. Paul, Minn.	July 17
Aug. 5	Wood Blocks—Winnipeg, Man. Adv. July 17.	July 17
Aug. 29	Dredger—Brisbane, Queensland, Australia	Apr. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ky., Ashland — Election soon $300,000 bonds for waterworks extensions. H. L. Carroll, city clk.

Ky., Louisville — See "Streets and Roads."

O., Akron—Summit Co. takes bids about last of August, about 6 mi. 6- to 12-in. c.i. mains. $75,000. Barstow & McCurdy, 321 Ohio Bldg., engrs.

Ind., Alexandria—Plans new equipment for municipal plant. $9,000. D. Beatson, city engr.

Ind., Anderson—Plans 25,000 ft. 6- to 8-in. c.i. mains and 29 fire hydrants, $65,000; also new fire station, Broadway and Vineyard Sts., $30,000. M. H. Downey, city engr.

Ind., New Castle—Plans new pump and equipment. $40,000. J. W. Yost, city engr.

Ill., Carbondale—Soon takes bids filtration plant, containing 500,000 gal. units, tank on tower, reservoir, pumps, pipe lines, etc. $100,000. P. B. Wilson, engr. L. Day, 34 East Grand St., St. Louis, Mo., consult. engr.

Ia., Tama—Making preliminary plans waterworks. $40,000. C. L. Pillsbury Co., 1200 2nd Ave., Minneapolis, engrs.

Kan., Emporia—Plans extending mains, hydrants, valves, etc. $15,000.

Mo., Washington—Voted $65,000 bonds 250,000 gal. tank on tower, several miles 6 and 8 in. c.i. pipe lines, fire hydrants, etc. W. B. Rollins & Co., Exch. Bldg., Kansas City, engrs. Noted June 5.

Ark., Batesville — Making plans new rapid sand filtration plant and pumping equipment. $100,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Tex., Blooming Grove—Soon takes bids waterworks. $42,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs. Noted May 15.

Tex., Dallas—H. W. Brouse, Magnolia Bldg., making plans concrete reservoir, $15,000 plus. Myers & Noyes, Mercantile Bank Bldg., engrs.

Okla., Seminole—Voted $44,000 bonds new waterworks, incl. mains, wells, pumps, standpipe, etc. Gant Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted June 6.

Okla., Tipton—Voted $51,000 bonds for new waterworks, incl. mains, wells, tower, pump, valves and hydrants. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 20.

Ont., Forest—Plans waterworks system. $100,000. J. Bell & Son, Court House, St. Thomas, engrs.

Ont., Leamington — Plans 12 in. pipe line to lake and installing pumping and purifying plant. $120,000.

Ont., Oshawa—Plans 10,000 ft. 4 and 6 in. c.i. mains. $25,000. W. C. Smith, city engr.

BIDS DESIRED

Mass., Springfield—Pub. Wks. Dept. Engineering, in market complete equipment for pumping station.

N. Y., New York — July 18, by J. N. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Grand Blvd., Grand Concourse, County Club Rd., Ampere, Kearney, Library Stadium and Watt Aves., etc.

Md., Baltimore—July 23, by Bd. Awards, 1,000 tons caustic lime for Water Dept. V. B. Siems, City Hall, water engr.

D. C., Wash.—July 25, at office Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., 45,000 ft. 6- to 12-in. c.i. water pipe, Contr. 43-W. R. B. Morse, Hyattsville, Md., ch. engr. of Dist.; adv. E. N.-R. July 17.

Va., Staunton—July 19, by W. F. Day, city mgr., clearing, grubbing and stripping 35 acres reservoir basin in North River.

Waterworks **(Continued)**

Ky., Newport—**July 29, by City Commissioners, new 6 m.g. steam pump, for Newport Water Works. $150,000. H. K. Flutmus, City Hall, engr.**

O., Cleveland—**July 23 (extended date), at office Commissioner Purchases and Supplies, City Hall, chemical house and mixing chambers, and furnishing filter equipment. A. V. Ruggles, engr. of construction and surveys; adv. E. N.-R. July 17. Noted July 10.**

Wis., Racine—**July 21, by F. M. McElroy, supt. Water Comn., one 10 m.g. turbo centrifugal pumping unit. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.**

Ia., Schleswig—**July 21, by Town Council, waterworks improvement, incl. rein.-con. storage well, 25 ft. diam., 30 ft. deep, 6,200 ft. 6 in. c.i. main, pump house and equipment, alternate bids on pumping equipment for 100 g.p.m. to 250 g.p.m. Lafayette & Higgins & Son, Securities Bldg., Des Moines, engrs.**

Minn., Minneapolis—**July 21, by F. S. Gram, city purch. agt., 61,366 ft. 6- to 16-in. c.i. pipe. N. W. Elsberg, city engr.**

Minn., St. Paul — **July 22, by H. W. Austin, city purch. agt., 10 bends, various sizes, 310 lin.ft. 32 in. O. D. steel pipe, 270 lengths 30 in. and 10 lengths 24 in. c.i. pipe; one 20 in. gate valve, vertical type, one 24-in. gate valve with 2 in. by-pass, four 30 in. gate valves with 4 in. by-pass. G. M. Shepard, city engr.**

Kan., Girard—**July 17, by E. R. Walker, city clk., 400 ft. 8- to 15-in. vitr. clay and 400 ft. 8- to 14-in. c.i. sewers, 6,800 cu.yd. earth and 260 cu.yd. rock excav., Imhoff tanks, 6,250 lin.ft. vitr. clay underdrains, 3,900 ft. transmission line and transformer, 3,900 ft. 4 in. c.i. main, special mechanical alternator, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.**

S. D., Watertown—**July 21, by F. Bannister, city aud., about 6,772 lin.ft. 4- to 8-in. c.i. pipe, 8,000 lbs. specials, 12 valve boxes, and 6,000 lbs. pig lead. W. F. Cockrane, city engr.**

Tex., Dallas—**Aug. 11 (extended date) by Bd. City Comrs. reservoir dam near Garza, Denton Co., main section dam will be earth fill aggregating 1,800,000 cu.yd. and build by hydraulic fill method, 27,000 cu.yd. concrete in conduits and spillways, core under main dam to be steel sheet piling. Nagle & Thompson, Municipal Bldg., engrs. Noted July 10.**

N. Mex., Aztec—**Aug. 15, by city waterworks. $55,000. Weiland Eng. Co., 725 Thatcher Bldg., Pueblo, Colo., engrs.; Adv. E. N.-R. July 16.**

N. B., Fredericton—**City in market for oil burning pumping unit for waterworks pumping station. $26,000.**

BIDS RECEIVED

Mass., Springfield—**Pub. Wks. Dept. of Eng., City Hall, 35 x 42 ft. pumping station, from E. F. Carlson, 244 Main St., $64,400. Archts. est. $60,000.**

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, July 9, mains in 159th Ave., 115th and 116th Sts., here, from S. Gallucci, 38 Railroad Ave., Corona, $3,275, Elmhurst, Flushing, Folsom and Griffith Aves., Freemont, Lambert, Mary, McPherson, Shaler, 24th, 37th, 93rd, 94th Sts., Buskirk, Eva, Hemlock and Trimble Places, here, from J. A. Gregory, 351 East 124th St., New York, $8,874. Noted July 3.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., July 9, making and removing connections and setting additional hydrants in mains in 1st, 3rd, 5th, 8th, 10th, 11th and 12th Aves., King, Washington and Whitehall, East 26th, 34th, West 59th, 60th and 146th Sts., from Wataga Contg. Co., 308 Lenox Ave., $7,400. Noted July 3.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, July 11, mains in Alter, Anderson, Bement, Cameron Aves., etc., from N. De Stefano, 257 Glenn Ave., Tompkinsville, $28,939. Noted July 3.

Pa., Phila.—Bureau Water, Dept. Pub. Serv., July 7, from P. and A. J. Ellis, 5724 North Marshall St., furnishing and laying 16 in. water pipe in Margaret St., Contr. 673, $3,336, 16 and 20 in. pipeline in Cottman St., Contr. 690, $35,517; from J. Bugger, 2124 East Cumberland St., plumbing Queen Lane Pumping Sta., Contr. 683, $3,392; from M. and J. B. McHugh, 892 North Market St., 24 in. pipeline in Spring Garden St., Contr. 686, $25,408, aeration flume and paving Queen Lane Filters, Contr. 689, $28,250, patent connections in Lardners Point Pumping Sta. Contr. 692, $15,989; from McArdle & Cooney, Inc., 519 Arch St., small pipe and fittings at Torresdale, Filter Plant, Contr. 688, $7,885; from Buffalo Wire Wks. Co., 9 South 7th St., fencing at various plants, Contr. 691, $16,088; from Pennsylvania Eng. & Constr. Co., 1205, Real Estate Trust Bldg., general improvement Queen Lane Sta., Contr. 682, $31,700. Noted July 3.

Md., Baltimore—Bd. Awards, c.i. pipe and fittings for Water Dept., from R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $281,976.

O., Cleveland—For 8,150 ft. 16 in. c.i. mains in Memphis Ave., from D. Lowensohn, 8810 Woodland Ave., $53,617.

O., Cleveland—Cuyahoga Co., 12,000 ft. 6 and 8 in. c.i. mains, in Impvt. 47, from Salem & George Bros., Erie Bldg., $60,511.

N. D., Fargo—Enlarging settling basins at filtration plant, and constructing clear well, from W. D. Kennedy, Fargo, $64,678. Noted July 10.

CONTRACTS AWARDED

Md., Baltimore—Mayor and City Council, City Hall, 100,000 lead substitute for Water Dept., to Leadite Co., Land Title Bldg., Phila., Pa., $12,190.

Md., Baltimore—Bd. Awards, brass service pipe fittings to Water Dept., to Glauber Brass Co., Land Title Bldg., Phila., Pa., $19,564. Noted June 19.

W. Va., Wheeling — See "Streets and Roads."

N. C., Durham—R. B. Rigsby, city mgr., dam on Flat River, power house, road and pipe lines, dam incl. 65,000 cu.yd. concrete, 30,000 cu.yd. rock and 12,000 cu.yd. earth excav., 42,000 cu.yd. earth embankment, etc., to Hardaway Contg. Co., Columbus, Ga., $934,812; c.i. pipe, to Lynchburg Fdry. Co., Lynchburg, Va., $72,452; line materials, to Western Electric Co., 195 Bway., New York City, $19,737; gate valves, to Chapman Valve Co., 180 Lafayette St., New York City, $6,801; strainers, to Elliott Co., 90 West St., New York City, $4,778; reinforcing steel, to Knoxville Iron Co., Lonsdale St., Knoxville, Tenn., $5,052; venturi meters, to Builders' Iron Fdry., 25 Church St., New York City, $1,368. Noted May 29.

Tenn., Cookeville — Waterworks, incl. settling basin, distribution system, motor engines, valves, hydrants, transmission line, 3 centrifugal pumps, 44,350 ft. 6- to 10-in. c.i. pipe, 250,000 gal. tank, etc., to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $126,563. Engrs. est. $150,000. Noted June 19.

O., Akron—Coagulating basin at city waterworks, to H. C. Felver Co., Cleveland, $84,885.

O., Cleveland—For 8,150 ft. 16 in. c.i. mains in Memphis Ave., to D. Lowensohn, 8810 Woodland Ave., $53,617. A. V. Ruggles, City Hall, engr.

Ill., Quincy—Clearwater reservoir, concrete, to E. A. Meyer Constr. Co., Quincy, $25,000. Noted July 3.

Wis., Athens—A. A. Kreutzer village clk., laying mains, to F. Esser, Mankato, Minn., $17,304; pumping house, disposal plant, and reservoir, to A. Larson Co., 418 South Barstow St., Eau Claire; 50,000 gal. steel tank on 90 ft. tower, to Chicago Bridge & Iron Co., 608 South Dearborn St., Chicago, Ill., $5,450. Eng. est. $25,000. Noted June 26 under sewers.

Ariz., Williams—Improving waterworks to S. P. Gillis, Phoenix, $34,732. Noted June 12.

Calif., Yuba City — Reclamation Dist. 1660, California Fruit Bldg., Sacramento, pumping plant, etc., near here, to Davison & Nicolsen, 324 West Lafayette St., Stockton, $30,000, electrical work, to Butte Electrical & Equipment Co., 530 Folsom St., San Francisco, $3,000, equipment installation, to Byron-Jackson Pump Co., 55 New Montgomery St., San Francisco. Noted June 26.

Ont., Chippawa—General contract pumping station, etc., to Webster Constr. Co., 134 Carling St., London; pumps, to Babcock-Wilcox-Goldie-McCullough Co., Galt; pipes, to Gartshore Thompson Pipe & Fdry. Co., Hamilton; valves and hydrants, to Canada Valve Co., Galt. Engrs. est. $120,000. Noted May 29.

Sewers

PROPOSED WORK

Md., Baltimore — Bd. Awards rejected bids motor-operated pump and c.i. pipe in Sludge Pumping Station 2, at Back River Sewage Treatment Wks. Noted June 12.

W. Va., Morgantown—Voted $600,000 bonds for sewerage system. C. McDowell, Morgantown, engr. Noted June 12.

Miss., Grand Rapids—Made plans 1,930 ft. 1st St. relief sewer, Contr. 2, 1,130 ft. 42 in. pipe 10 to 12 ft. deep, and 800 ft. 36 in. pipe 10 and 11 ft. deep. Pipe to be rein.-con., cast in place, precast rein.-con., brick or segmental block. C. A. Paige, city engr.

Ky., Louisville—See "Streets and Roads."

O., Akron—Plans election in August $3,500,000 bonds trunk sewers, improving defective sewers and completing sewerage system in city, incl. North Hill, East Akron, South Akron, West Hill and any district in Akron not adequately provided. W. F. Peters, dir. Pub. Serv. J. E. Root, Delaware Bldg., engr.

O., Akron—Summit Co. takes bids about Aug. 1, 1.5 mi. 36- to 63-in. concrete, rein.-con., segmental block or brick, trunk sewer for storm drainage only in East Park Blvd. et al. $120,000. Barstow & McCurdy, 321 Ohio Bldg., engrs.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids last of July, 1,700 ft. 72 x 126 in. brick and 1,100 ft. 96 x 150 in. rein.-con. sewer in Wolf Ledge Run Trunk Sewer, Contr. 7. $350,000. J. E. Root, 300 Delaware Bldg., engr.

O., Cuyahoga Falls—Plans storm sewers in various sections of city. $75,000. C. Gray, Cuyahoga Falls, engr.

O., Leetonia—Plans to issue $125,000 bonds series sanitary sewers. H. H. Hickling, city solicitor.

O., Massillon — Plans storm sewer in Green St. $39,000. C. E. Rice, city engr.

O., Youngstown — Plans election in August $3,500,000 bonds 200 mi. sewers. J. E. Root, City Hall, sewer engr.

Mich., Detroit—Dept. Pub. Wks., had plans prepared 21,656 ft. Lateral 4151, 327 ft. 3 ft. 6 in., 766 ft. 2 ft. 6 in., and 2,791 ft. 3 ft. 2 ring brick, balance 12- to 24-in. vitr. crock; 6,503 ft. Lateral 4165, 553 ft. 30 in. 2 ring brick, balance 12- to 24-in. vitr. Crock, 658 ft. Lateral 4166, 12- to 24-in. vitr. crock, 1,404 ft. Lateral 4170, 12- to 24-in. vitr. crock, 5,918 ft. Lateral 4176, 12- to 20-in. vitr. crock; 28,205 ft. Lateral 4177, 703 ft. 42 in. and 508 ft. 36 in. 2 ring brick, balance 12- to 24-in. crock; 977 ft. Lateral 4179, 15- to 24-in. vitr. crock; 2,378 ft. Lateral 4180, 12- to 18-in. vitr. crock. G. Jerome, city engr.

Ill., Highland—Takes bids in August several miles 6- to 16-in. sewers, 2 septic disposal tanks, etc. $75,000. L. Day, 34 East Grand St., St. Louis, Mo., engr. Noted Jan. 3.

Wis., Berlin — Made plans extending vitrified sewer in Washington St. $25,000. C. G. Walker, City Hall, engr.

Mo., St. Joseph — Making preliminary plans extending Oakhill sewer to 22nd St., with necessary connections, etc. $60,000. W. K. Seitz, City Hall, engr.

Tex., Blooming Grove—Soon takes bids sewers. $28,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs. Noted May 15.

Tex., Conroe—Plans new election soon 49,000 bonds complete sewerage system. Former election defeated. Noted June 10.

Okla., Seminole—Defeated $31,000 bonds for 4 mi. sewers. Gant Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted June 6.

Ont., Toronto—York Twp., 40 Jarvis St., plans about 7,500 ft. 12, 15 and 18 in. vitr. sewers in Oakwood Ave. and Rogers Rd. $25,000. James, Proctor & Redfern, 36 Toronto St., engrs.

BIDS DESIRED

Conn., West Hartford (Hartford P. O.) —Taking bids 400 ft. of 10 in. and 1,000 ft. of 8 in. tile sanitary sewer. $25,000. Address Town Engineer.

Conn., Windsor — See "Streets and Roads."

N. J., Dumont—July 28, by Mayor and Boro. Council, sewerage system. T. F. Bowe, 110 William St., New York City, consult. engr; adv. E. N.-R. July 17.

Pa., Brownstown — See "Streets and Roads."

Pa., Media—July 31, by Boro Council, Boro Hall, sanitary sewers and disposal plant. E. Minton, secy.; adv. E. N.-R July 17.

Pa., Nanty-Glo—July 25, by Boro Council, 2,455 lin.ft. 8, 10 and 12 in. sewers, and 1,245 lin.ft. 6 in. laterals. O. C. Hauth, 416 Trust Bldg., Ebensburg, engr.

Va., Richmond—Aug. 5 (extended date), at office Pub. Wks., A. J. Saville, dir., rein.-con. box and arch sewers. $1,650,000; adv. E. N.-R. July 17.

Mich., Detroit—July 30, by Dept. Pub. Wks., 2,464 ft. Harper Ave. Arm West, Sect. 1, 1,629 ft. 6 ft., 591 ft. 5 ft. 6 in. cylinder, 159 ft. 20 in. and 85 ft. 15 in. crock, also 4,569 ft. Cadieux Rd. Sewer, Sect. 2, 2,880 ft. 9 ft. 3 in., 1,676 ft. 9 ft. and 13 ft. 4 ft. cylinder. G. Jerome, city engr.

Mich., Rochester — July 21, by H. J. Toles, village clk., 4,295 ft. 8 in. vitr. sewers, and 200 ft. 6 in. risers, etc. $30,000. Ruhling & Holdsworth, 16549 Woodward Ave., Detroit, engrs.

Mich., Romeo—July 21, by L. Warren, village clk., disposal plant, settling tank, grit chamber, sludge beds, filters, and 4,700 lin.ft. 12 in. sewer, etc. Ruhling &

Sewers (Continued)

Holdsworth, 16549 Woodward Ave., Detroit, engrs.

Tex., Dallas—Taking bids storm sewer in Oakland St. $25,000. E. A. Kingsley, city engr.

Calif., Roseville — See "Streets and Roads."

Ont., Toronto—Aug. 5, by W. W. Hiltz, City Hall, two 2,880,000 Imp. gal. centrifugal sewage pumps with electric motors, Tender 50; one 3,000,000 Imp. gal. centrifugal sludge pump with electric motor, Tener 51; and furnishing 24, 30 and 36 in. waterworks check valves. R. C. Harris, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, July 9, repairing sewers in 11th St., from J. F. Colgan Co., 233 Bway., New York City, $19,840; constructing sewers **(e. e. means engineers estimate)** Albany and 12th Aves., from C. F. Vacharas, 645 40th St., 94.45% e. e. $50,038, and 95% e. e. $1,264 respectively; Essex St., from S. Ambrosio, 1016 60th St., 74.95% e. e. $17,629; 72nd St. and Fort Hamilton Parkway from Tozzi Contg. Co., 136 63rd St., 82.45% e. e. $4,840, and 92.24% e. e. $1,890 respectively; East 7th St., from R. Iovino, 77% e. e. $1,050. Noted July 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 14, sewer in 4th Ave., from Peace Bros., 20 Main St., Flushing, $2,586; sewer in Union (Whitestone) Ave., from Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, Type A $70,900, Type B $63,346. Noted July 10.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., July 10, sewers in Addee Ave., from Spedera & Turriamo Contg. Co., 3185 East Tremont Ave., $8,564; in Astor Ave., from A. Gregorio & Co., 1129 8th Ave., $24,604. Noted July 3.

Pa., Phila.—G. H. Biles, dir. Pub. Wks., outfall pier, etc. of Northeast Sewage Treatment Wks., Contr. 1, from F. Duane Corp., 1524 Chestnut St., $529,050; mechanical equipment, Contr. 2, from Roberts Filter Mfg. Co., Darby, $12,750; electrical equipment, Contr. 3, from W. V. Pangborne, 1927 West Montgomery St., $8,400; plumbing equipment, Contr. 4, from Bulman Bros., 2501 North 5th St., $1,396. Noted June 26.

O., Cleveland—Cuyahoga Co., 40,000 lin. ft. 8- to 48-in. **(a)** rein.-con. **(b)** segmental block or **(c)** tile sewer in West 63rd St., Impvt. 52, from Salem & George Bros., Erie Bldg., **(a)** $192,072 **(b)** $191,797 **(c)** $196,082.

Mich., Detroit—Dept. Pub. Wks., from W. Blanck Co., 40 Seven Mile Rd., Sewer 4154 $58.515, Sewer 4168 $2,067; Sewer 4169 $6,304, Lateral 4167 $6,717; from Western Constr. Co., 1208 Ford Bldg., Sewer 4156 $1,516, Sewer 4157 $6,985; from J. Di Ponio Co., 3608 Riopelle St., Storm Sewer 3852 $7,199, Storm Sewer 4174 $7,288; from P. Cappello, 2255 St. Joseph Ave., Storm Sewer 3150 $7,100, Storm Sewer 4172 $5,740; from J. Leo, 1762 Puritan Ave., Sewer 4171 $3,135; from Louwers & Sommerville, 1121 Book Bldg., Sewer 4155 $2,590; from A. Singelyn, 424 Book Bldg., Sewer 4146 $6,439.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, July 1, Southern Sewer extension, from Frazier-Davis, Arcade Bldg., $38,446. Noted June 5.

Tex., Dallas—Laying 14,210 ft. sewer, from Janes Constr. Co., Sumpter Bldg., $2.43 per ft.

Calif., Burbank—City trustees, June 24, for vitr. sewers and treatment plant, from Jones Contr. Co., 2407 South Flower St., Los Angeles, $213,534. Noted June 12.

CONTRACTS AWARDED

Pa., Phila. — H. Biles, dir. Pub. Wks., outfall pier, Contr. 1, to Frederick Snare Corp., 1524 Chestnut St., $529,050; mechanical equipment, Contr. 2, to Roberts Filter Mfg. Co., Darby, $13,750; electrical equipment, Contr. 3, to W. V. Pangborne, 1927 West Montgomery St., $8,400; plumbing equipment, Contr. 4, to Bulman Bros., 2501 North 5th St., $1,496. Noted July 10.

W. Va., Wheeling — See "Streets and Roads."

Ala., Birmingham — See "Streets and Roads."

O., Akron—Summit Co., 34,587 ft. 8- to 15-in. vitr. clay sewers, sewage pumping station, etc., in Copley Rd. et al., to E. & W. McShaffrey Co., 574 Rhodes Ave., $107,037. Engrs. est. $107,779.

O., Cleveland—Cuyahoga Co., 43,000 ft. 8- to 48-in. rein.-con. sewer in Impvt. 56, to D. Pfahl, Berea Rd., $138,131.

Ind., Indianapolis — For Pleasant Run Sewer 15,075 ft. vitr. segmented block pipe, to Sheehan Constr. Co., Holiday Bldg., $328,593. Engrs. est. $330,000. Noted July 10.

Mich., Detroit—Dept. Pub. Wks., vitr. crock sewers in Laterals 4085 and 4142, to Louwers & Simerville, 1121 Book Bldg., $4,440 and $1,690 respectively; Lateral 4134, to Central Constr. & Eng. Co., 400 Penobscot Bldg., $4,480; Lateral 4144, to A. Singleyn, 424 Book Bldg., $4,649; Lateral 4145, to Cousino-Mercier Co., 13183 Wark St., $1,445; Lateral 4147, to H. Ponterelli & Co., Wolverine Hotel, $2,756; Lateral 4148, to Detroit Drainage Constr. Co., 5099 LeMay Ave., $6,475; Lateral 4149, to J. Monte, 3049 Russell St., $5,500. Noted June 12.

Ill., Belleville—For approximately 1 mi. sanitary sewers in Bornman Heights and West H St., to Hoeffken Bros. Constr. Co., Belleville, $17,486. Noted Jan. 31.

Ill., East Alton—Bd. Local Impvts., 44,405 lin.ft. 6- to 24-in. vitr. clay sewer, 16 x 25 ft. pumping station, surge tank, 10 hp. and 20 hp. semi-Diesel engine and pump, etc., to H. A. Grabbe Constr. Co., Alton, $94,203. Engrs. est. $95,000.

Wis., Athens—See "Waterworks."

Ont., Guelph—Will build 12,000 ft. 9 in. vitr. storm sewers in connection with pavements, by day labor. $25,170. N. S. Nicklin, city engr.

Ont., St. Thomas—W. C. Miller, city engr., masonry contract for sewage disposal plant, to A. C. Stewart Co., Port Dover, $42,000; plumbing, to Hamilton & Stott, St. Thomas, $5,884; clarifier equipment, to Dorr Co., 247 Park Ave., New York City, $9,128; air compressors, to A. S. Leitch Co., Kent Bldg., Toronto, $8,445.

Waste Disposal

PROPOSED WORK

O., Cuyahoga—Plans new garbage disposal plant. $45,000. C. May, City Hall, engr.

Bridges

PROPOSED WORK

Me., South Portland (Portland P. O.)—Plans new bridge to replace old structure at Skunk Hill. $92,000. Pub. Utilities Comn., engrs.

Tenn., Columbia—Maury Co. plans probably concrete bridge over Ducks River at Sowells Mill, to replace present timber bridge. $40,000. B. Wilkes, Court House, engr.

Tenn., Nashville—City and Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, plan rein.-con. viaduct across Chestnut St. tracks, here. $30,000. Cost to be borne by city and railroad.

Ind., Rogers — State Highway Comn., Indianapolis, plans 800 ft. steel truss highway bridge, with four 195 ft. spans, over East Fork White River, here. $75,000. J. D. Williams, dir.

Wis., Kaukauna—Plans election in September $100,000 bonds constructing 2 new bridges over Fox River. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engr. Noted Dec. 27.

Minn., South St. Paul—See "Streets and Roads."

Tex., Bellville—See "Streets and Roads."

Tex., Jacksboro—See "Streets and Roads."

Tex., Pecos—Reeves Co. soon takes bids 193 ft. steel truss and concrete girder bridge with one 125 ft. steel and two 33 ft. concrete girder approaches, across Pecos River, $25,500. S. S. Posey, co. engr.

Ont., Ottawa—Ottawa Impvt. Co., Queen St., takes bids in Fall new bridge over Ottawa River. $120,000. A Stewart, Queen St., engr.

BIDS DESIRED

New Jersey — July 28, by State Hy. Comn., Trenton, two 94 ft. concrete encased plate girder spans, over Pompton River, on Route 8, Sect. 1, Passaic and Morris Counties. A. L. Grover, secy.; adv. E. N.-R. July 17.

N. J., Freehold—Aug. 6, by Freeholders Monmouth Co., Bridge S-29, one 10 ft. rein.-con. span, on Seven Bridge Rd. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. July 17.

Pa., West Chester—July 31, by D. M. Golder, controller Chester Co., Court House, 550 ft. rein.-con. bridge over Brandywine Creek at Pyles Twin Bridges below Chadds Ford.

Delaware—See "Streets and Roads."

North Carolina — See "Streets and Roads."

North Carolina—Aug. 5, by State Hy. Comn., Raleigh. **(S. P. means State Project)** rein.-con. bridges and culverts S. P. 900, Buncombe Co., $55,600; S. P. 582, Randolph Co., $93,000; S. P. 433, Granville Co., $47,000; S. P. 265, Pamlico Co., $55,000. C. M. Upham, Raleigh, engr.

Fla., Hollywood—Aug. 7, at office of Hollywood Land & Water Co., constructing bascule bridge across F. C. L. C. & T. Company's Canal, at Hollywood Blvd. Scherzer Rolling Lift Bridge Co., 1616 Monadnock Blk., Chicago, Ill.; adv. E. N.-R. July 17.

Ill., Aurora—July 22, by Bd. of Local Impvts., constructing 3 arch rein.-con. bridge, concrete dam, together with paving sidewalk and street lighting system, over west branch of Fox River at Main St. J. P. Wetz, secy.; adv. E. N.-R. July 17.

Minnesota—See "Streets and Roads."

Missouri—July 22, by State Hy. Comn., Jefferson City, three 20 ft. rein.-con. slab spans, etc., over Van Doozer Creek, one 80 ft. steel truss and eight 20 ft. rein.-con. slab spans, etc., over West Yellow Creek, one 40 ft. rein.-con. deck girder and four 20 ft. rein.-con. slab spans, etc., over East Yellow Creek, eleven 20 ft. rein.-con. slab spans, etc., over overflow East Yellow Creek, four 10 ft. rein.-con. slab spans, etc., over stream, all Linn Co.; one 25 ft. rein.-con. deck girder, and two 10 ft. rein.-con. slab spans, etc., over Sutton Branch, one 60 ft. steel truss span, etc., over Brush Creek, one 100 ft. steel truss, and five 40 ft. rein.-con. deck girder spans, etc., over Big Creek, one 30 ft. rein.-con. deck girder span, etc., over Hampton Branch Iron Co.; one 30 ft. and one 40 ft. rein.-con. deck girder spans over stream, Crawford Co.; one 40 ft., and one 50 ft. I-beam spans over Drainage Ditch, Cape Girardeau Co.; one 45 ft. rein.-con. deck girder, etc., over Tom Creek, Caldwell Co.; one 100 ft. steel truss, and two 40 ft. rein.-con. deck girder spans, etc., over Miami Creek, Bates Co.; two 8 ft. rein.-con. slab spans, etc., over stream, Howard Co.; one 50 ft. steel truss, and two 30 ft. rein.-con. deck girder spans, etc., over Otter Creek, Wayne Co.; one 40 ft. rein.-con. deck girder, and two 14 ft. rein.-con. slab spans, etc., over Missouri & Pacific R.R. tracks, Cooper Co. B. H. Piepmeier, ch. engr.

Tex., Austin — July 31, by G. J. Mathews, judge Travis Co., concrete bridges, etc., on Littig Rd., 928 cu.yd. concrete, 68,312 lb. reinforcing, 300 cu.yd. wet and 1,485 cu.yd. dry excav., etc. $25,000. O. Leonard, Box 256, co. engr.

Tex., Lufkin—See "Streets and Roads."

Tex., Tyler—See "Streets and Roads."

Calif., San Diego—July 24, by Supervs. San Diego Co., rein.-con. bridge over San Luis Rey River. $130,000. B. Allen, clk.

BIDS RECEIVED

Pa., Phila.—See "Streets and Roads."

S. C., Greenwood — See "Streets and Roads."

S. C., Laurens — See "Streets and Roads."

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, bridges along New Orleans-Hammond Highway, from Austin Bridge Co., 1813 Clarence St., Dallas, Tex., creosoted timber $173,420, long leaf heart pine $181,479.

Arkansas—State Hy. Comn., Little Rock, Road Impvt. Dist. 2, Pope Co., June 26, 5 steel I-beam and 3 steel truss bridges, and 1 steel truss bridge with 2 steel I-beam approach spans with piers and abutments, etc., on Federal Aid Project 170, 278,101 lb. structural steel in truss bridges, 158,750 lb. structural steel in I-beam bridges, 34,114 lb. reinforcing, etc., from Union Bridge & Constr. Co., Little Rock, $68,942. Noted July 3.

California—State Highway Comn., Sacramento, 398 ft. rein.-con. bridge over Truckee River, 21 ft., in Nevada, from Proctor & Cleghorn, Rosenberg Bldg., Santa Rosa, $50,425. Noted June 12.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist. Co., 1 Ashburton Pl., Boston, altering, strengthening, repaving and repairing Harvard Bridge over Charles River, between Boston and Cambridge, to V. Grande, 22 Hull St., Boston, $388,019. Noted July 10.

Mass., Holyoke — Bd. Pub. Wks., City Hall, steel, 110 ft., 3 span steel deck bridge, 60 ft., across first level canal on Cabot St., to Walsh's Holyoke Steam Boiler Wks. $36,974. Noted June 26.

Fla., Jacksonville—Duval Co., bridge over Big Fishweir Creek, to O. P. Woodcock, Duval Block, $25,666; Cedar Creek Bridge, to Ponder-Hammell Co., 415 West 10th St., $19,400; temporary wooden detour bridge over Big Fishweir Creek, to W. J. Bryson Paving Co., 403 West 9th St., $3,867.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, bridges on State Route 12, Sect. 2B and 3B, Lawrence Co., to Acme Engineers, Decatur, $27,000. Noted Mar. 27.

Ill., Paxton—See "Buildings."

Minnesota—State Hy. Dept., St. Paul, to Guaranty Constr. Co., 223 Essex Bldg., Bridges (Continued)

Minneapolis, Bridge 4285, 140 ft., $20,050, Bridge 4286, 100 ft., $12,000, raising Bridge 4287, $2,045, all on State Project 3-45, Sect. 1, Federal Aid Project 363, Stearns Co. Noted June 12.

Missouri — State Hy. Dept., Jefferson City, one 70 ft. steel truss and seven 20 ft., rein.-con. slab spans, etc., over Cane Creek, Butler Co., two 12 ft. rein.-con. slab spans, etc., over stream, Jefferson Co., one 100 and one 150 ft. steel truss spans, etc., over Big River and three 40 ft. rein.-con. deck girder spans, etc., over Flat River, both St. Francois Co., to Pub. Wks. Constr. Co., Century Bldg., St. Louis, $106,061; one 30 ft. and two 20 ft. rein.-con. deck girder spans, etc., over stream, Bates Co., to Lahar Bros., Sedalia, $7,812; two 12 ft. rein.-con. slab spans, etc., over Dayee Creek, and one 25 ft. rein.-con. deck girder span, etc., over Joachim Creek, both St. Francois Co., to M. E. Gilloiz, Monett, $6,734; one 40 ft. rein.-con. deck girder span, etc., over Limestone Creek, and two 30 ft. rein.-con. deck girder spans, etc., over Buffalo Creek, both Dade Co., to Republic Constr. Co., Republic, $18,834; one 12 ft. rein.-con. slab span, etc., over stream, Bates Co., to Western Bridge Co., Harrisonville, $2,291; one 80 ft. steel truss and four 40 ft. I-beam spans, etc., over East Fork Grand River, Worth Co., to O. H. Schmidt, St. Joseph, $17,280; one 100 ft. steel truss and four 25 ft. rein.-con. deck girder spans, etc., over Joachim Creek, Jefferson Co., to Vincennes Bridge Co., Vincennes, Ind., $26,039; one 60 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over third fork Grand River, De Kalb Co., to E. Euler, Easton, $15,435; three 20 ft. rein.-con., slab spans, etc., over Howell Creek, Howell Co., to J. C. Nevels & Masoner, Willow Springs, $4,262. Noted June 19.

Tex., Jasper—See "Streets and Roads."

Washington—State Hy. Comn., Olympia, steel bridge and concrete approaches over Nooksack River, on State Rd. 1, Whatcam Co., to W. A. Byers, 1204 Mansfield St., Spokane, $119,999.

California—State Highway Comn., Sacramento, five 210 ft. rein.-con. arch and two 50 ft. rein.-con. approach span bridge over Klamath River near Requa (I-D. N.-1-A), Del Norta Co., to F. Rolandi, Bank of Italy Bldg., San Francisco, $391,740. Engs. est. $422,469. Noted June 12.

California—See "Streets and Roads."

Calif., Los Angeles — Pacoima Wash bridge, rein.-con., to Hogan Constr. Co., 6106 South Central Ave., $25,500. Noted June 19.

Dam

BIDS DESIRED

Conn., Norwalk—July 25, by First Taxing Dist. Comrs., raising 1,375 ft. dam 6 ft. high. E. J. Finnigan, dist. clk.; adv. E. N.-R. July 17.

Ill., Aurora—See "Bridges."

CONTRACTS AWARDED

Calif., San Rafael — Marin Municipal Water Dist., raising Alpine Dam, 8 ft., to Robinson-Robert Co., c/o owner, approximately $47,000.

Railways

BIDS DESIRED

New Jersey—July 22, by New Brunswick City Comn., rebuilding double track of Pub. Service Ry. Co., on George St., also removing old rail and installing 7 in. tram rail, etc. A. Atkinson, New Brunswick, engr.

Ontario—Canadian Natl. Ry., New Union Sta., Toronto, will rebuild and extend trackage in Niagara Falls, by day labor, under supervision of H. L. Vercoe, Toronto, engr. $350,000.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., Lake Worth — Palm Beach Co. (West Palm Beach), election July 22, $400,000 bonds constructing and completing canal waterway, inlet, docks, terminal facilities, etc., connecting Atlantic Ocean, here, for Lakewood Inlet Dist.

Fla., Tampa — Hillsborough Co., rejected bids 125,000 cu.yd. hydraulic fill. A. B. Pimm, Court House, engr. Noted June 19.

Ariz., Buckeye — Buckeye Water Conservation & Drainage Dist., having plans prepared rock weir with concrete retaining wall, etc., 2,800 ft. long, 8 ft. high in Gila River, also earth canals and tile drain distributing system. $750,000 or more. C. K. Fox, I. W. Hellman Bldg., Los Angeles, consult. engr. Noted June 5.

SEWERS—PHILADELPHIA, PA.

Following are lowest three bids opened by Delaware River Bridge Joint Comn., Widener Bldg., June 4, for sewers for bridge over Delaware River connecting Philadelphia and Camden, N. J., (A) Lombardi Co., Inc., Lincoln Bldg. (awarded contract); (B) Joseph Lombardi, Lincoln Bldg.; (C) Higgins & Riley, Real Estate Trust Bldg. The unit bids were as follows:

	A	B	C
150 lin.ft. 4 x 5 ft. reinforced concrete sewer, section A	$68.80	$125.00	$90.47
135 lin.ft. 4 x 5 ft. reinforced concrete sewer, section B	68.80	125.00	72.33
100 lin.ft. 4 x 5 ft. reinforced concrete sewer, section C	68.80	125.00	82.99
1,675 lin.ft. 5 ft. 6 in. diameter brick sewer	74.75	68.00	90.64
90 lin.ft. 3 ft. 6 in. diameter brick sewer	28.00	28.00	51.46
5 lin.ft. 3 ft. 0 in. diameter brick sewer	18.00	26.00	51.46
175 lin.ft. 2 ft. x 3 ft. brick sewer	13.00	10.00	33.23
90 lin.ft. 2 ft. 3 in. x 1 ft. 6 in. brick sewer	13.00	15.00	33.23
150 lin.ft. 24 in. diameter vitrified pipe sewer	13.00	10.00	31.60
55 lin.ft. 12 in. diameter vitrified pipe sewer	8.00	6.00	31.60
7,300 lin.ft. timber piles	.75	1.00	1.25
2,000 lb. additional reinforcing	.05	.05	.10
200 lin.ft. steel sheet piling	20.00	20.00	28.25
200 cu.yd. additional excavation	3.00	4.00	5.00
50 cu.yd. additional concrete, grade "A"	15.00	10.00	22.50
200 cu.yd. additional concrete, grade "C"	12.00	9.00	16.00
Extended totals	$173,464	$184,105	$223,929

COAGULATION BASINS—KENT, OHIO

Bids were opened by Bureau Water Supply, 103 East Mill St., Akron, June 12, for extension to coagulation basins at Kent plant, Contr. No. 235, (A) H. C. Felver Co., 7016 Euclid Ave., Cleveland; (B) Kester & Repperd, Cuyahoga Falls; (C) The Moran Constr. Co., Terminal Bldg., Akron; (D) Morgan & Helbig, Ravenna, $96,975; (E) T. E. McShaffrey Co., Akron, $102,475; (F) Wolf, Fryberger & Cook, $103,838; (G) Walter P. Gibbons, Akron, $104,440; (H) L. Garrett Constr. Co., Kent, $126,300. The unit bids of the lowest three bidders are as follows:

	A	B	C
3,700 cu.yd. earth excavation above el. 260	$1.27	$1.50	$0.83
7,700 cu.yd. earth excavation below el. 260	1.57	2.50	1.83
3,400 cu.yd. embankment (rehandling)	1.50	.50	1.12
10 M.B.M. wooden sheet piling left in place	122.00	60.00	225.00
1,500 sq.ft. steel sheet piling left in place	1.58	.90	1.35
15 cu.yd. removing old concrete masonry	31.25	40.00	11.85
2 acre seeding	262.50	100.00	82.00
150 cu.yd. gravel paths and roadways	2.80	3.00	11.40
3,900 bbl. portland cement	2.80	2.80	4.30
150 cu.yd. plain concrete	13.10	12.00	5.77
2,350 cu.yd. reinforced concrete	13.10	14.00	14.23
190,000 lb. steel reinforcement	0.054	.06	0.0487
450 lin.ft. laying c.i. pipe and special castings	2.08	.50	2.20
200 lin.ft. eight-inch vitrified pipe drains	1.81	1.00	1.19
Flushing system for coagulating basins (lump sum)	1,355.00	550.00	467.00
Alum solution piping (lump sum)	390.00	350.00	153.00
Stop planks (lump sum)	150.00	155.00	113.00
Miscellaneous fittings and metal work (lump sum)	1,870.00	600.00	1,472.00
Extended totals (straight bid)	$85,885	$88,800	$91,059
Extended totals (alternate bid)	$84,885	....	....

BRIDGE—CALIFORNIA

Following are lowest three bids opened by State Highway Dept., Sacramento, May 26, for constructing Klamath River Bridge, Del Norte Co., Federal Aid Project No. 116-B, (A) H. E. Doering, 568 Maple St., Portland, Ore.; (B) F. Rolandi, 550 Montgomery St., San Francisco; (C) J. H. Tillman Co., Portland, Ore. The unit bids were as follows:

	A	B	C
7,400 cu.yd. class "A" Portland cement concrete	$25.50	$30.50	$30.00
1,500 cu.yd. class "C" Portland cement concrete	23.50	20.50	28.00
160 cu.yd. class "E" Portland cement concrete	42.50	70.00	60.00
8,400 cu.yd. excavation for structure	6.25	6.00	6.50
8,500 cwt. reinforcing steel	5.90	7.00	7.00
946 douglas fir piles	22.50	15.00	5.00
Extended totals	$354,685	$391,740	$392,430

Calif., Porterville — Vandalia Irrigation Dist. soon takes new bids for irrigation works, canals, pumping plants, pipe lines, ditches, etc. Former bids rejected. I. H. Althouse, Terra Bella, engr. Noted Mar. 6.

Ontario—West Gwillimbury Twp. (Bradford), and King Twp. (King), plan draining 7,500 acres swamp land. $50,000. Address E. J. Evans, Bradford, twp. clk.

Ont., Saute Ste. Marie—Soon takes bids 19,000 cu.yd. excav. and concrete culverts in Douglas Creek Diversion. $30,000.

BIDS DESIRED

N. Y., Albany—July 22, by R. K. Fuller, comr. Canals and Waterways, 55 Lancaster St., channel excavation in Hudson River, Contr. 2, $4,800; also reinforcing counterweights of double leaf bascule forming channel span of Troy-Cohoes Bridge, Contr. 3, $9,390; adv. E. N.-R. July 10.

Ark., Texarkana—July 22, by Comrs. D. D. 6, Miller Co., at office C. S. Christian, engr., State Natl. Bank Bldg., 80 acres channel clearing, 330,026 cu.yd. ditch excav., Contr. 1; 10 acres channel clearing, 334,724 cu.yd. ditch excav., Contr. 2.

Ark., Wynne—July 26, by Clerk Cross Co., 24 mi. drainage ditches, 1,598,000 cu.yd. excav., for D. D. 6, Elliott & Herman, Memphis, Tenn., engrs.

Tex., El Paso—Aug. 2, by Hudspeth Co., Conservation & Reclamation Dist. 1, 2,000,000 yd. excav. from 41 mi. drain and 720,000 yd. earth work in 30 mi. canal and structures. $150,000. A. J. Mapel, secy. C. M. Ainsworth, project engr. Noted July 3.

Tex., Houston—July 28, by H. L. Washburn, aud. Harris Co. D. D. 2, ditching near Webster. $15,000. Noted June 10.

BIDS RECEIVED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., July 3, completion of Sub-division B, Sect. 2, of Buffalo River and Cazenovia Creek Impvt., 950,000 cu.yd. excav., from Cleveland Eng. Constr. Co., 778 The Arcade, Cleveland, O., $0.285. Noted June 19.

Ark., Pine Bluff—Plum Bayou D. D., June 24, from A. Brown, Pine Bluff, levee across Ash Flat, 20,000 to 25,000 cu.yd. excav. at $0.42½ per cu.yd.

Calif., Santa Ana — Newhope D. D., trenching and laying 5,150 ft. 30 in., 9,058 ft. 24 in., 2,770 ft. 21 in., 3,080 ft. 18 in., 15,292 ft. 15 in., 3,308 ft. 14 in., 7,799 ft. 12 in., 26,207 ft. 10 in. and 42,626 ft. 8 in. drain pipe, from G. W. Kemper, Alhambra, $101,137. Noted May 15

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, dredging in Harbor of Baltimore, to Arundel Corp., Pier 2, $53,340. Noted June 19.

Fla., Lake Worth — Palm Beach Co. (West Palm Beach), constructing South Lake Worth inlet connecting with Atlantic Ocean, here, to A. Bentley & Son Co., Atlantic Natl. Bk. Bldg., Jacksonville, $181,918. Noted Jan. 3 under "West Palm Beach."

Tex., Dallas—Levee Dist. 13, channeling Rowlett Creek, to Fordson Bros., Rice, $15,000.

Wash., Loomis—Whitestone Reclamation Dist., 3,671 lin.ft. 51-in. electrically welded or lock bar steel pipe, or an equal length of 54-in. riveted steel pipe, to King Bros., 711 East 18th St., Portland, Ore., $34,077.

Streets and Roads

PROPOSED WORK

Mass., Boston — Dept. Pub. Wks. City Hall, withdrew bids July 8, recut granite

Streets and Roads (Continued)

block pavement in Congress and other streets. $25,000. Will readvertise. J. A. Rourke, Comr.

Mass., Boston—City Planning Bd., City Hall, plans widening Stuart St. from its junction with Eliot St. to Washington St. $100,000. F. H. Fay, chn.

Mass., Dorchester (Boston P. O.)—City of Boston plans constructing Sutton St. from Morton to Woolson Sts., here. J. F. Sullivan, City Hall, secy. Street Laying Out Dept. $25,000.

Connecticut — State Highway Dept., Hartford, plans highway from Oakdale to Salem Turnpike. $100,000. J. A. MacDonald, comr.

Conn., Wallingford—Plans macadamizing 6 mi. Turnpike between North Haven and Wallingford Sts. $150,000. W. A. McKenzie, city engr.

Conn., Willimantic—Plans constructing highway between Amston and Colchester Sts. $50,000. R. E. Mitchell, city engr.

W. Va., Beckley—Voted $100,000 bonds for street improvements and addition to fire department. W. A. Riffe, city clk. Noted June 12.

W. Va., Madison — Boone Co. election July 29, $50,000 bonds for roads in Peytona Dist., and $200,000 bonds for roads in Sherman Dist. C. L. Allen, Madison, engr.

Fla., West Palm Beach—Plans paving and extending Flogler Dr. $2,578. G. L. Wright, city mgr.

Fla., Tampa—Hillsborough Co. rejected bids improving Seawall Blvd., 13,000 ft. concrete handrail, 13,850 sq.yd. sidewalk, 26,000 lin.ft. concrete curb. Noted June 19.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, takes bids about July 22, grading and surfacing, probably gravel, 5.5 mi. Chester Co. line-Hardin Co. line Rd., 9 ft., McNairy Co.; grading, surfacing, bridging, etc. 7 mi. McNairy Co. line-Coffees Landing Rd., 9 ft., Hardin Co. J. G. Creveling, highway comr. Noted May 22.

Ky., Henderson—Takes bids about July 28, about 68,000 sq.yd. brick, bituminous macadam or waterbound macadam surfacing. $75,000. S. H. Kimmel, Henderson, engr.

Ky., Louisville—Flexner & Morat, 419 West Market St., plans constructing streets, concrete sidewalks, sewers, water mains, etc., in Shawnee Terrace subdivision. To exceed $25,000. Stonestreet & Ford, Louisville Trust Bldg., engrs.

Ky., Mayfield—Graves Co. election Aug. 2, $500,000 bonds for roads.

O., Akron — W. F. Peters, dir. Pub. Serv., takes bids in August, grading, paving, sidewalks and sewers in 1,540 ft. Cole Ave., $40,000, 770 ft. North Bway., 2,950 sq.yd. vitr. brick, 1,290 lin.ft. stone curb, 3,000 sq.ft. 4 in. concrete sidewalk, $27,000, 3,550 ft. Lovers Lane, $100,000; paving, grading and walks 1,320 ft. Grand Ave. $25,000; grading and paving 800 ft. Stadelman Ave., $14,500; grading, walks and cindering 1,935 ft. Baird St., $11,000; grading, paving and sewer in 1,460 ft. Gridley St., $30,000. E. A. Kemmler, 300 Delaware Bldg., engr.

O., Akron—Plans asphalt paving 1 mi. Riverside Dr., 25 ft., in North Hill Dist. $40,000-$50,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Stark Co. plans improving 2.1 mi. Canton-Alliance Rd., 20 ft., brick, $118,000; improving 2 mi. Ravenna-Louisville Rd., 20 ft., $110,000; paving about 3.5 mi. Alliance-Maximo Rd., 20 ft., brick, $133,000. A. M. Wise, Court House, engr.

O., Columbus—Plans grading and laying necessary water services and sewer connections and paving with (a) brick (b) asphalt (c) concrete in 1,184 ft. Cliffside Dr., 18 ft., (a) $17,183 (b) $14,914 (c) $13,943; 2,195 ft. Fulton St., 26 ft., (a) $10,108 (b) $8,614 (c) $8,016; 2,181 ft. Cleveland Ave., 46 ft., (a) $41,599 (b) $33,109; 446 ft. alley north Eastwood Ave., 20 ft., (a) $3,689 (c) $3,241; 372 ft. Ellis Pl., 24 ft., (a) $4,982 (b) $4,024. R. H. Simpson, city engr.

O., Cuyahoga Falls—Plans resurfacing 1 mi. Front St., 40 ft. asphalt. $35,000. C. Gray, Cuyahoga Falls, engr.

O., Lorain—Plans improving Cleveland St. in Euclid Erie allotment, $25,000; Garfield St. $25,000; Jefferson Ave. $25,000-$35,000; Concord Rd. $30,000. C. C. Miller, city engr.

O., Massillon—Plans resurfacing 1.5 mi. Main St., 40 ft. asphalt. $26,000. C. E. Rice, city engr.

O., Youngstown—Plans repairing streets and sewers damaged by recent storm. $150,000. G. Turner, city engr.

Ind., Marion—Grant Co., plans concrete paving 18,908 sq.yd. Ackley Rd., $47,000; also 10,896 sq.yd. Carr Rd., $29,720. G. Steffins, Marion, engr.

Ill., Delavan—Plans paving streets, 12,000 sq.yd. 7 in. concrete.

Ill., Galesburg—Bd. Local Impvts., soon takes bids grading, curbing and paving with vitr. brick on concrete 9 blocks East Knox St. and Walnut Ave. $40,231. A. L. Richey, city engr.

Kan., Oswego—Labette Co. plans grading and bituminous macadam surfacing 8.035 mi. Federal Aid Project 126-B. H. K. Shideler, co. engr.

Kan., Wichita—Plans paving 1 alley, Ellis, Estelle, Kellog, Volustio and Vassar Sts., concrete, Kansas St., Morris St. from Market to Lawrence Sts., Morris St. from Emporia to St. Francis Sts., and Morris St. from Main to Market Sts., asphaltic concrete. $50,000. R. L. Brockman, City Bldg., engr.

Minn., South St. Paul—Defeated $270,000 bonds street improvements and bridges. J. R. Stevenson, city clk. Noted June 14.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)**, plans grading, etc., 12 mi. from Bonesteel to Missouri River Bridge, F. A. P. 187, Gregory Co.; changing route and lengthening 12.1 mi. F. A. P. 166, McCook Co., and 11 mi. F. A. P. 161, Hanson Co. F. D. Hudgins, ch. engr.

N. D., Ft. Yates—Sioux Co. plans grading 16.5 mi. road north of Ft. Yates to Cannon Ball and Solen, and 16.5 mi. road on Selfridge-Solen Rd. north of Selfridge. $55,000. F. B. Fiske, co. aud.

Missouri—State Hy. Dept., Jefferson City rejected bids June 24, 7 ft. gravel and 9 ft. concrete paving 3,521 mi. road from Delta east, Cape Girardeau Co. B. H. Piepmeier, Jefferson City, ch. engr.

Mo., St. Louis—Soon takes bids reconstructing roadways and repairing equipment and grounds in various playgrounds. $49,300. F. W. Pape, Municipal Courts Bldg., comr.

Ark., Little Rock—Comrs. Paving Dist. 384, 27,300 sq.yd. concrete, 2,800 ft. reset stone curbing, 6,900 sq.yd. concrete gutters, etc., to Southern Material & Constr. Co., Southern Trust Bldg., $72,000. Noted June 19.

Tex., Amarillo—See "Unclassified."

Tex., Athens—East Texas Cotton Palace Assn., plans drives, walks, etc., on exposition grounds. $25,000-$30,000. L. R. Wright, Athens, engr.

Tex., Burkburnett—Making plans paving Ave. C and College St. $25,000. Montgomery & Ward, City Natl. Bank, Wichita Falls, engrs.

Tex., Celina—Election July 12, $25,000 bonds paving various streets. J. E. Ousley, mayor.

Tex., Henrietta—Clay Co. making plans hard surfacing various roads radiating from here. $300,000. D. M. Ruckett, Henrietta, engr.

Tex., Jacksboro—Jack Co., making plans, grading, bridging, etc. 16.68 mi. State Highway 24, from here to Young Co. line, 18 ft. $84,500. G. R. Johnston, co. engr.

Tex., Karnes City—Karnes Co. defeated $125,000 bonds, highway improvement. O. N. Powell, Kenedy, engr. Noted June 26.

Tex., McAllen — Voted 60,000 bonds permanent paving streets. Address F. B. Freeland, mayor.

Tex., Tyler—Making plans concrete paving 2 mi. South Bway., 24 ft. L. Powell, city engr.

Okla., Chandler — Lincoln Co. election Aug. 5, $990,000 bonds for roads. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Okla., Grandfield — Plans improving 4 blocks Main St., 6,900 sq.yd. concrete paving 2,400 lin.ft. curbing, 2,600 cu.yd. excav. $29,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., McAlester—Improving 7 blocks C, Monroe, Jackson and Van Buren Sts., 7,700 sq.yd. concrete, 4,200 lin.ft. curbing, 2,800 cu.yd. excav., to J. W. Rooks, McAlester, $28,110. Engrs. est. $30,000. Noted June 12.

Okla., Medford — Grant Co., making surveys grading and paving 2 mi. Meridian Highway, 21,000 sq.yd. concrete, 11,000 cu. yd. excav. $60,000. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Okla., Norman — Plans improving 6 blocks Impvt. Dist. 51, 8,300 sq.yd. concrete, 3,500 lin.ft. curbing, 2,400 cu.yd. excav. $33,000. F. Cobb, Norman, engr.

Okla., Tulsa—Making preliminary plans grading and brick on concrete, asphalt on concrete or rein.-con. paving about 35 blocks various streets, also concrete and brick paving 10 blocks alleys. R. Garbett, city auditor.

Washington—State Hy. Comn., Olympia, clearing, grading and gravel surfacing 2.6 mi. Sunset Highway, King Co. clearing and grading 2.9 mi. Pacific Highway, State Rd. 1, Snohomish Co., to Rumsey & Jordan, Thompson Bldg., Seattle, $67,965 and $67,693 respectively; clearing, grading and gravel surfacing 6.6 mi. Olympic Highway, Rd. 9, Mason Co., to A. W. Wallin, Montesano, $73,993; clearing, grading, and crushed rock surfacing 4 mi. State Rd. 5, Lewis Co., to Hendrick & Olson, Chehalis, $59,707; concrete paving 3 mi. State Rds. 2 and 3, Spokane Co., to J. H. Collins, Chehalis, $106,148; clearing and grading 5.6 mi. Rd. 1, King and Pierce Counties, to Forrestal & Coyle, 901 Westlake St. N., $128,893. Noted June 17.

Calif., Los Angeles—Made plans improving 10th Ave. between Washington and 23rd Sts., 3,637 cu.yd. cut, 54,038 sq.ft. asphalt paving, 5 in. base, 1 in. paint binder and 1½ in. top, 353 sq.ft. 5 in. concrete paving, 1,832 ft. curbing, 8,852 sq.ft. walks, 2,049 sq.ft. bituminous base, etc.; 8th St. between Santa Fe and Mateo Sts., 1,604 cu.yd. cut, 36,960 sq.ft. 1½ in. Warrenite bituminous paving 5 in. base, 5,617 sq.ft. walks, 2,193 sq.ft. guttering, etc.; Plymouth Blvd. between Clinton and Rosewood Sts., 575 cu.yd. cut, 31,057 sq.ft. 5 in. concrete paving, 1,690 sq.ft. remodel oiled surface; Avon St. between Taylor and Morton Sts., 3,823 cu.yd. cut, 2,099 cu.yd. fill, 1,274 sq.ft. 5 in. concrete paving, 24,135 sq.ft. oil and roll, 2,904 ft. curbing, 5,894 sq.ft. guttering, etc.

Calif., San Diego—Common Council making plans improving 6th and Date Sts., 233,776 sq.ft. 2 in. asphaltic concrete paving on 3 in. bituminous base, 914 lin.ft concrete curbing 2,640 sq.ft. concrete walks, etc. F. A. Rhodes, city engr.

Ontario—Northern Development Branch of Provincial Highways, Parliament Bldg., Toronto, plans 55,000 sq.yd. concrete road from Sudbury to Coniston. $200,000. C. H. Fullerton, Parliament Bldg., Toronto, engr.

Ont., Barrie — Making plans 1 mi. bituminous macadam paving. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Ft. William—Plans 30,000 ft. concrete sidewalks $30,000, and wooden walks $7,000. G. B. Symes, city engr.

Ont., Oakville — Trafalgar Twp. plans 33,700 sq.yd. concrete paving on various roads. $100,000. R. Smith, twp. engr.

Ont., Ottawa — Bd. Control soon takes bids asphalt paving Catherine and Waller Sts. $50,000. F. C. Askwith, City Hall, engr.

Ont., Thorold — Plans concrete paving Queen St. $30,000. D. J. Munro, city clk.

Ont., Timmins — Plans asphalt paving, etc., 9,000 sq.yd. various streets. $40,000. C. R. Murdock, city engr.

Ont., Toronto — Making plans asphalt paving Day Ave. $2,993, Pembroke St. from Dundas to Gerrard Sts. $16,074, Pembroke St. from Shuler to Dundas Sts. $15,818, Sellers Ave. $3,646, concrete sidewalks on Golfview Ave. $1,749. R. C. Harris, city engr.

Ont., Toronto—East York Twp., having plans prepared asphalt paving Governors Rd., Douglas Crescent and Nesbitt Dr., $23,000, concrete sidewalks on Nealon Ave. $2,750, Lesmount Ave. $1,860, and Strathmore Blvd. $1,080. G. R. Jack, Sammon Ave., engr.

Ont., Waterloo — Plans asphalt paving, concrete curbing and guttering 32,000 sq.yd. various streets. $125,000. C. Moogk, town engr.

BIDS DESIRED

Massachusetts—July 22, by Dept. Pub. Wks., Div. Highways, State House, Boston, paving 2.423 ft. highway, 18 ft., in Auburn, $50,000, 2,800 ft. highway, 20 ft., in Wilbraham, $25,000; both rein.-con.; 3,200 ft. highway in Stockbridge, bituminous macadam. $27,000. W. F. Williams, comr.

Massachusetts—July 29, by Pub. Wks. Dept., Div. Highways, State House, Boston, bituminous macadam paving 22,540 ft. highway, 18 ft., in Amherst, Pelham and Belchertown. W. F. Williams, comr. Noted Apr. 24.

Mass., Boston—July 23, by Pub. Wks. Dept., City Hall, recut granite block paving Blue Hill Ave., from Dudley to Quincy Sts., $27,000. J. A. Rourke, Comr.

Mass., Melrose—July 19 by Pub. Wks. Dept., City Hall., furnishing granite edgestone and laying granolithic sidewalks. $25,000 or more. P. H. Mosher, engr. and supt.

Conn., Windsor — Taking bids paving 4,000 sq.ft. concrete sidewalks and 400 sq. ft., concrete crosswalks in various streets, also 10 in. sewer in Remington St. $25,000. W. V. Hower, Windsor, Fire Dist., engr.

New York—Aug. 1, by A. W. Brandt, comr. State Hy. Dept., Albany, constructing and reconstructing highways in Albany, Allegheny, Broome, Cattaraugus, Chemung, Cortland, Delaware, Erie, Lewis, Oneida, Orange, Oswego and Suffolk Counties; adv. E. N.-R. July 17.

N. Y., Brooklyn—July 23, by E. Riegelmann, boro. pres., Boro Hall, grading, curbing and flagging Beverley Rd., Sheffield Ave., Avenue V, East 27th, East 35th, East

Streets and Roads (Continued)

7th, East 19th, East 27th, East 31st, West 11th and 45th Sts.; asphalt paving Cortelyou Rd., Avenue N, Sheffield, Tompkins, 5th and Utica Aves., East 11th, West 8th, 36th, East 19th, East 27th, East 29th, East 31st, 45th, 87th, 61st, 70th and 87th Sts.; grading strip 40 ft. wide in Gerritsen Ave.; grading and paving with bituminous macadam Avenue L, granite paving Utica and Troy Aves.

N. Y., Cattaraugus—Aug. 4, at office E. S. Campbell, village clk., rein.-con. paving South, Washington and Franklin Sts. P. A. Setter, village pres.; adv. E. N.-R. July 17.

N. Y., New York—July 22, by J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving John, Reade, Lispenard, 5th, 8th and 41st Sts., granite block, Lexington Ave., 42nd and 57th Sts., sheet asphalt, grading, curbing and flagging West 196th St.; repairing wood block, granite block and oak key block pavements in railroad area.

N. Y., Scotia—July 24, by Bd. Village Trustees, grading, curbing and paving 10 streets and avenues. H. B. Toll, village clk.; adv. E. N.-R. July 17.

N. J., Belleville—July 28, by State Hy. Comn., Trenton, constructing Route 11, Sect. 9, Washington Ave., here. Essex Co., A. L. Grover, secy.; adv. E. N.-R. July 17.

N. J., Closter—July 29, by Mayor and Boro Council, repairing Herbert Ave., I. L. McDonald, boro clk.; adv. E. N.-R. July 17.

N. J., Plainfield—Aug. 4, by Common Council, City Hall, sheet asphalt paving East and West 4th Sts. A. W. Vars, city engr.; adv. E. N.-R. July 17.

Pa., Brownstown — July 30, by Boro Council, improving Hall, George, North and Katherine Sts., 7,000 sq.yd. 3 in. brick paving on 5 in. concrete, 2,700 lin.ft. 8 in. terra cotta sanitary, and 304 lin.ft. 12 in. terra cotta storm sewers. H. Smith, clk. Work must be completed in 75 working days.

Pa., Ferndale—July 30, by Boro Council, 1,650 ft. Plainfield Rd., 18 ft., rein.-con. with 3,000 ft. 20 in. curbing. $25,000. E. Horner, clk.

Pa., Nanty-Glo—July 25, by Boro Council, 3,000 lin.ft. 2nd St., 18 and 26 ft., rein.-con. C. C. Hauth, 416 Trust Bldg., Ebensburg, engr.

Pa., South Fork—July 25, by Boro Council, constructing 1,410 ft. Lake St., 20 ft., 4 in. brick on 6 in. concrete. $30,000. L. R. Owens, Ebensburg, engr.

Delaware—July 30, by State Hy. Dept., Dover, masonry wall at Shellport, Contr. RW-3A; 4.917 mi. Dover-Little Creek Rd., Contr. CK-24, 2.462 mi. Dover-Knights Bridge Rd., Contr. CK-24A; 0.01 mi. concrete approach at Smyrna, Contr. 25-C; adv. E. N.-R. July 17.

Maryland — July 22, by State Roads Comn., Baltimore, concrete paving 1.5 mi. Contr. CI-51, Carroll Co., 1.53 mi. Contr., M-51, Montgomery Co., 1 mi. Contr. Q-31, Queen Anne's Co., 0.63 mi. Contr. A-31, Allegany Co., 0.38 mi. Contr. A-30, Allegany Co., 0.73 mi. Contr. Wi-28, Wicomico Co., graveling 1 mi. Contr. Sm-29, St. Marys Co. J. N. Mackall, chn.; adv. E. N.-R. July 17.

Md., Baltimore—July 23, by Bd. Awards, 20,000 sq.yd. grading, curbing and 33,600 sq.yd. paving streets listed in Contr. 262-CANA. R. K. Compton, 214 East Lexington St., chn. paving com.

Virginia—July 29, by State Hy. Comn., Richmond, improving 4.8 mi. Gordonville-Route 39-E. Mechanicsville Rd., Project F-137, Route 32, Louisa and Orange Counties, 9 acres clearing, 16,380 cu.yd. excav., 4,550 cu.yd. borrow, 840 lin. ft. pipe, 24,675 lb. reinforcing, 1,352 lin. ft. guard rail, also three 30 ft. span rein.-con. beam bridge over South Anna River. $30,000; bituminous macadam surfacing 3.5 mi. road East of Bedford, Project F-143, Route 10, Bedford Co., 6 acres clearing and grubbing, 30,957 cu.yd. excav., 1,048 lin. ft. pipe 2,784 lin. ft. guard rail, etc $95,000; concrete surfacing 3.6 mi. Neabsco Creek-Dunns Store Rd., Project F-182, Route 31, Prince William Co., 5 acres clearing and grubbing, 47,146 cu.yd. excav., 4,485 cu.yd. borrow, 1,360 lin. ft. pipe, 5,553 lb. reinforcing, 3,044 lin. ft. guard rail, etc., also one 30 ft. span rein.-con. beam bridge over Neabsco Creek, and two 30 ft. span rein.-con. beam bridges over Quantico Creek, $111,000, 6.6 mi. south Thomas Store Rd., Project F-132, Route 31, Spotsylvania Co., 5 acres clearing and grubbing, 61,365 cu.yd. excav., 5,050 cu.yd. borrow, 1,472 lin. ft. pipe, 10,614 lb. reinforcing, 3,000 lin. ft. guard rail, also one 45 ft. rein.-con. beam bridge over Massaponax Creek, and one 30 ft. span rein.-con. beam bridge over Ny River; $104 000; grading 6.977 mi. South Big Stone-Scott Co. line Rd., Project S-354, Wise and Lee Counties, 90,785 cu.yd. excav., 2,420 lin. ft. pipe, 9.5 acres clearing, 25,616 lb. reinforcing, 16,422 lin. ft. guard rail, etc. $63,800. C. S. Mullen, ch. engr.

North Carolina—Aug. 5, by State Hy. Comn., Raleigh, **(S. P. means State Project)** grading, etc., 10.8 mi. S. P. 265, Pamlico Co., $65,500, 7.3 mi. S. P. 891, Yancey Co., $150,000, 0.1 mi. S. P. 900, Buncombe Co., $159,500, 13.7 mi. S. P. 433, Granville Co., $79,500; grading and concrete or asphaltic paving 10.5 mi. S. P. 763-B, Surry Co., $305,000, 9 mi. S. P. 147-B, Hertford Co., $261,500; grading and topsoiling 13.2 mi. S. P. 582, Randolph Co., $103,000; grading and small rein.-con. bridges, etc. 11.4 mi. S. P. 474, Vance Co., $70,000, 5.4 mi. S. P. 780-B, Wilkes Co., $117,000, 7.2 mi. S. P. 266, Pamlico Co., $39,800. C. M. Upham, Raleigh, engr.

N. C., Washington—Aug. 5, by Beaufort Co. Rd. Comn., constructing 3 sections road, Projects A, B and C. H. W. Rankin, engr.; adv. E. N.-R. July 17.

Ala., Jasper—Aug. 5, by Comrs. Walker Co., grading and hardsurfacing 16 mi. Jasper-Oakman-Parrish Rd., 20 ft. $75,000.

Miss., New Albany—July 22, by Bd. Supvrs. Union Co., at Chancery Clerks office, improving 5.232 mi. Federal Aid Project 169-A, 22,823 cu.yd. excav., 1,243 cu.yd. borrow, 230 ft. 15- and 18-in. culvert pipe, 250 ft. 4 in. tile drain, 12,241 cu.yd. gravel 1 mi. haul, 21,272 units gravel ½ mi. overhaul, 3.82 mi. bermuda sod, etc. H. C. Dietzer, Jackson, engr.

Miss., Pontotoc—Aug. 5, by Bd. Supvrs. Pontotoc Co., at Chancery Clerks office, improving 8.081 mi. Federal Aid Project 171-A, 92,427 cu.yd. excav., 7,118 cu.yd. borrow, 10,560 sq.yd. concrete paving, 1,825 cu.yd. gravel, 1 mi. haul and 18,174 units gravel ½ mi. overhaul, 1,155 ft. 18 in. vitr. clay pipe, 21,857 lb. reinforcing, 14.44 acres clearing and grubbing, 4.54 mi. bermuda sod, etc. H. C. Dietzer, Jackson, engr.

Louisiana—July 22, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading 7.74 mi. State Project 89 C, New Roads-Simmesport Highway, Point Coupee Parish. J. M. Fourmy, ch. engr.

Louisiana—July 29, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 8 mi. Federal Aid Project 145 A, Many-Leesville Highway, Sabine Parish, also furnishing gravel for surfacing project. J. M. Fourmy, ch. engr.

Ky., Whitesburg—July 24, by Letcher Co., constructing 6 mi. Hammond-Mayking Rd. To exceed $25,000.

O., Akron—July 21, asphalt paving and widening about 1 mi. West Market St. 8 ft. $60,000. E. A. Kemmler, Delaware Bldg., engr.

O., Dennison—July 24, at office of J. G. Fetter, dir. Pub. Serv., improving Center St., North 3rd St. from Welsh to High Sts., north 3rd St. from Wilson St. to corporation line, also North 1st St., brick or asphalt.

O., St. Clairsville—Belmont Co., taking bids paving 1.25 mi. Flushing-Holloway Rd., concrete. $46,214, brick $53,922. A. C. Murphy, Bellaire, co. engr.

Ind., Boonville — July 19, by Comrs. Warrick Co., grading and graveling 4.9 mi. Susott Rd., 16 ft. $28,000. H. Larsen, Boonville, engr. Noted July 10.

Ind., Terre Haute—July 19, by Comrs. Vigo Co., concrete paving 36,960 sq.yd. May Rd., $84,152; 11,616 sq.yd. Donovan Rd., $26,403. G. Grimes, Terre Haute, engr.

Ill., Aurora—See "Bridges."

Ill., Galesburg—July 21, by Bd. Local Impvts., City Hall, improving North Prairie St., 2,745 sq.yd. vitr. brick, 2,060 lin.ft. combined concrete curb and gutter, etc. A. L. Richey, city engr.

Ill., Silvis—July 28, by H. C. Chapman, village clk., grading and surfacing with concrete, asphalt on concrete, or brick on concrete, 4 blocks 9th St. $25,000. W. Treichler, Court House, Rock Island, engr.

Wisconsin—July 22, by State Highway Comn., village of Cambridge and Dodge Co., at Div. 1, Highway Comn., Madison, improving 1.98 mi. Beaver Dam-Waupun Rd., Federal Aid Project 383 A, Dodge Co., 5,970 cu.yd. earth excav., 20,956 sq.yd. 18 in. concrete surfacing, 10,119 lb. reinforcing, 10,478 lin.ft. parting strip, etc.; 0.485 mi. Beaver-Dam-Horicon Rd., between Sta. 341 plus 38 and 368, in Beaver Dam, Dodge Co., State Aid Appropriation 459 (1924), 1,652 cu.yd. earth excav., 5,124 sq. yd. concrete, 18 ft., surfacing, 2,562 lin.ft. parting strip, 2,373 lb. reinforcing, etc.; 0.44 mi. Madison-Cambridge Rd., in Cambridge, Dane Co., Federal Aid Project 112 C, 2,434 cu.yd. earth excav., 10,882 sq.yd. concrete surfacing, 50,087 lb. reinforcing, 3,531 lin.ft. curb and gutter, etc. J. T. Donaghey, acting state highway engr.

Kan., Girard—Aug. 1, by Clerk Crawford Co., improving 4.984 mi. Sect. B, Federal Aid Project 242, 52,634 sq.yd. chats surfacing, 18,088 cu.yd. excav., 784 ft. hedge, 7,240 ft. guard rail, 384 ft. 15-, 18- and 24-in. rein.-con. or corrugated metal pipe; 4.012 mi. Sect. C, same project, 43,700 sq. yd. chats surfacing, 17,475 cu.yd. earth and 46 cu.yd. rock excav., 990 ft. hedge, 880 ft. guard rail, 360 ft. 15-, 18- and 24-in. rein.-con. or corrugated metal pipe, 4.01 mi. Sect. D, same project, 21,200 sq.yd. chats surfacing, and 21,226 sq.yd. chats resurfacing, 11,559 cu.yd. earth and 44 cu.yd. rock excav., 368 ft. guard rail, 360 ft. rein.-con. or corrugated metal pipe. C. M. Cooper, co. engr.

Minnesota—July 29, by State Hy. Dept., St. Paul, **(S. P. means State Project and FAP means Federal Aid Project)**, improving S. P. 3-45, Sect. L, FAP 363, 15 mi. between Sauk Center and Freeport, 150,000 cu.yd. excav., 2.9 mi. at Sauk Center, 30,465 sq.yd. concrete paving, and 3 mi. at Melrose, 31,375 sq.yd. concrete paving, $220,000; SP 5-30, Sect. 2, FAP 345, between Jordan and south county line, 240,000 cu.yd. excav., $100,000; SP 5-36, FAP 345, between Shakopee and Jordan, 101,415 cu.yd. excav., $50,000; SP 6-31, FAP 343, between Wheaton and north county line, 164,369 cu.yd. excav., also Bridge 4231, 75 ft., concrete, $87,300; SP 6-43, FAP 343, between Wolverton and north county line, 145,156 cu.yd. excav., $68,400. Engineering Dept., St. Paul, engrs.

Nebraska—July 19, by R. L. Cochran, state highway engr., Lincoln, gravel surfacing 102,000 yd. Hartington-Fordyce Rd., Federal Aid Project 72-A, Cedar Co., $25,000; 214,500 yd. Hartington-Wayne Rd. Federal Aid Project 4, Cedar Co., $43,000; 132,400 yd. Allen-Ponca Rd., Federal Aid Project 31, Dixon Co., $26,500, for State Hy. Dept. Noted June 5.

N. D., Grand Forks—July 25, by M. O. Haugen, and Grand Forks Co., paving Federal Aid Project 215, 101,825 cu.yd. earth and 2,045 cu.yd. rock excav., 12,952 cu.yd. overhaul, etc. $30,000. J. H. Solstad, city engr.

Missouri—July 22, by State Hy. Comn., Jefferson City, grading 33.933 mi. roads, 30 ft., in Bates, Crawford, Johnson, Lafayette and Linn Counties, 0.138 mi. road, 26 ft., in Wayne Co., 23.241 mi. roads, in Harrison, Jackson and Crawford Counties; gravel surfacing 3.583 mi. road, 12 ft., in Iron Co., 11.738 mi. road, 16 ft., Butler, Howard and Caldwell Counties, 7.576 mi. road, 18 ft., Davies Co.; concrete surfacing 11.057 mi. roads, 18 ft., Harrison and Jackson Counties; improving 3.541 mi. road in Cape Girardeau Co., 9 ft. gravel, 7 ft. concrete. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Aug. 6, by Bd. Pub. Serv., 208 City Hall, asphalt or bitulithic paving and granite curbing 2,285 sq.yd. Alsace St. $14,400; Willite paving and granite curbing 10,455 sq.yd. Devonshire St., $39,800 and $26,920, 1,555 sq.yd. Nashville St. $10,720, 2,930 sq.yd. 10th St. $17,200, Spraing Ave. $7,520, 4,236 sq.yd. Salome St. $33,920; Willite on concrete paving and granite curbing 5,718 sq.yd. Fyler Ave. $32,300, 8,745 sq.yd. St. Louis. $42,200; bitulithic or Willite, paving and granite curbing 10,590 sq.yd. Folsom St. $45,720; Warrenite paving and concrete curbing Varrelman St. $5,600; bitulithic, paving and granite curbing 17,220 sq.yd. Virginia St. $80,400; Warrenite on concrete paving and granite curbing Walsh St. $38,520. W. W. Horner, city engr.

Tex., Bellville—Austin Co. soon takes bids grading and bridging 9.16 mi. State Highway 35, 18 ft. Federal Aid Project 433-A. $110,000. H. Schroeder, Wallis, engr.

Tex., Brady — Taking bids improving various streets, 16,000 sq.yd. paving and 12,000 cu.yd. curbing and guttering. $50,000. L. A. Burrow, engr.

Tex., Tyler—July 29, by D. R. Pendleton, judge Smith Co., grading, gravel surfacing and bridging, etc., State Highway 64, from here to Arp, Federal Aid Project 423-A, $157,502; gravel surfacing 13,340 cu.yd. State Highway 64, from Arp to Rusk Co. line, (gravel furnished by county, $26,000; grading and concrete paving 1.5 mi. South Bway. extending to State Highway 37, 24 ft., $55,000. D. K. Caldwell, co. engr.

California—July 28, by State Highway Comn., Sacramento, grading about 5.2 mi. highway between South San Francisco and Bway. Sta. (IV-SM-68-B), San Mateo Co., alternative "A" 176,000 cu.yd. excav. (borrow for dykes), 1,300,000 cu.yd. excav. (suction dredger); alternative "B," 982,000 cu.yd. (side borrow); alternative "C" 900,000 cu.yd. excav. for 100 ft. roadway (borrow from Belle Air Island); alternative "D," 540,000 cu.yd. excav. for 60 ft. roadway (borrow from Belle Air Island); alternative "E," 1,800 cu.yd. excav.; alternative "F," 200 cu.yd. structural excav., all without classification, etc. R. M. Morton, state highway engr.

Streets and Roads (Continued)

Calif., Hayward—Town Trustees taking bids improving Sunset Blvd. and Soto St., 118,270 sq.ft. 1½ in. asphalt on 3½ in. asphaltic concrete, etc. A. J. Grier, 480 Chetwood St., Oakland, $28,705. Noted July 3.

Calif., Los Angeles—Supervs. Los Angeles Co., taking bids improving 2nd St. between Church St. and College Ave., 4,730 cu.yd. excav., 5,976 lin. ft. concrete curb, 13,004 sq.ft. concrete gutter, 34,690 sq.ft. walks, 14,581 sq.yd. concrete pavement; also portions of Chevy Chase Dr. 2,871 cu.yd. excav., 5,663 sq.yd. shape, 5,663 sq.yd. concrete pavement, 18 in. concrete pipe complete with headwalls, 2,551 lin. ft, shape, shoulders, etc.

Calif., Roseville—City Trustees, taking bids improving Riverside Ave., 7,000 lin. ft. concrete curb and gutter, 58,000 sq.ft. asphaltic concrete paving, 58,000 sq.ft. grading, vitrified sewers, 93,000 sq.ft. Willite process pavement, etc., $35,000. J. W. Meredith, city engr.

Calif., Sacramento—Supervs. Sacramento Co., taking bids paving Sutter Ave. and Florin Rd., asphaltic macadam, $22,000; gravel surfacing Golden State Canning Rd. $3,000; grading 3 mi. Fetters Corners Rd. $2,500. C. W. Deterding, Jr., co. surv.

Calif., Santa Cruz—City Council taking bids improving Pacheco Ave. between Soquel and Martin Sts., 87,500 sq.ft. grading, 87,500 sq.ft. 5 in. concrete paving, 4,900 lin.ft. detached curb, etc. H. S. Williams, city engr. Noted May 15.

Calif., Santa Cruz—Supervs. Santa Cruz Co., taking bids improving 3.5 mi. Coast Rd., 289,000 sq.ft. 3½ in. rock and oil surfacing, etc. L. Bowman, county engr. Noted June 19.

Calif., Ventura—Supervs. Ventura Co. taking bids improving Foothill Rd. from city limits of Santa Paula to west end Rd. Dist. 4, 6,000 cu.yd. excav., 14,400 lin. ft. shape and roll, 214,500 sq.ft. asphaltic macadam, etc. C. W. Petit, co. surv.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Div. Highways, State House, Boston, rein.-con. paving 6,600 ft. highway in Grafton, from Middlesex Constr. Co., Framingham, $49,898; bituminous macadam highway in Westwood, from Reynolds Bros., Inc., Canton, $19,221.

Massachusetts—Pub. Wks. Dept., Div. Highways, State House, Boston, July 8, rein.-con. paving 18,259 ft. highway, 20 ft., in Dighton and Somerset, from Canedy Constr. Co., New Bedford, $236,741. Noted July 3.

New York—A. W. Brandt, comr. Bureau Highways, Albany, **(R. C. means Repair Contr. and e. e. means engineers estimate)** constructing and reconstructing 2.82 mi. R. C. 3089, Dutchess Co., from C. E. McCrodden Inc., Brooklyn, $119,536, e. e. $128,011; 2.53 mi. R. C. 3090, Orange Co., from Hill & Hellenbeck, Central Valley, $137,553, e. e. $138,202; 4.86 mi. Highways 5698 and 8185, Chenango Co., from Lathrop, Shea & Henwood Co., Ellicott Sq., Buffalo, $234,658, e. e. $261,671; 5.87 mi. R. C. 3092, Madison Co., from C. D. Murray, 701 Westcott St., Syracuse, $246,329, e. e. $269,829; 0.93 mi. R. C. 3081, Greene Co., from Doyle & Sanford, Albany, $37,482, e. e. $39,279; 6.44 mi. Highway 8184, Saratoga Co., from Troy Paving Co., 418 Gay Bldg., Troy, $283,560. e. e. $305,610; 3.02 mi. R. C. 1423, Suffolk Co., from R. W. S. Corp., 30 Church St., New York City, $138,559, e. e. $159,287; 2.14 mi. R. C. 1422, Seneca Co., from F. Callahan, Auburn, $92,548, e. e. $101,669; 2.8 mi. R. C. 3088, Genesee Co., and 3.87 mi. Highway 1693, Cattaraugus and Chautauqua Counties, from Hitchcock & Knauer, Jamestown, $116,975, e. e. $132,431 and $153,810, e. e. $179,890 respectively; 3.94 mi. R. C 1421, Erie Co., from Cold Springs Constr. Co., Ellicott Sq., Buffalo, $134,718, e. e. $152,003; 6.23 mi. Highway 8183, Seneca Co., from Greece Constr. Co., Rochester, $242,900, e. e. $269,021; 4.25 mi. Highway 8182, Columbia Co., from Hogeboon & Campfield, Inc., Kingston, $195,321, e. e. $218,111; 3 mi. Highway 1618, Montgomery Co., from P. H. Murray, 2226 15th St., Troy, $39,526, e. e. $45,775; 0.85 mi. Highway 5700, Monroe Co., from F. W. and J. J. Crouch, Rochester, $51,838, e. e. $57,565; 0.77 mi. R. C. 3093, Lewis Co., from F. H. Allard, Watertown, $32,890, e. e. $33,005; 10.14 mi. Highway 8120, St. Lawrence Co., from L. Mayersohn, 89 South Mann Blvd., Albany, $343,477, e. e. $369,893; 4.78 mi. R. C. 3087, Cayuga Co., from Brayer Bros., Auburn, $212,084, e. e. $237,492. Noted July 3.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, July 9, from W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 36th Ave. $2,332, from F. Persicano, 350 Fulton St., Ave. S $1,924, 45th St. $3,043, from F. Mandatto, 87th St. $1,614; from Cleveland Trinidad Paving Co., Flushing, sheet asphalt paving, East 36th St. $5,486, Mansfield Pl. $11,493, from Uvalde Asphalt Paving Co., 1 Bway., New York, Union St. $7,345, from Cranford Co., 52 9th St., Ave. S, $3,985, from M. J. O'Hara, 1228 Park Ave., New York, West 12th St., $10,480, 45th St. $6,883, 60th St. $5,139, 61st St. $10,876; from C. Bennett Contg. Co., 414 Rutland Rd., grading strip 50 ft. wide on Utica Ave., $18,931. Noted July 3.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, June 26, improving Fort Hamilton Parkway, here, from M. J. O'Hara, 1228 Park Ave., New York, $54,999. Noted July 3.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., July 10, bituminous concrete paving Beach Ave., from J. E. Gaffney, 438 East 91st St., $42,509; bituminous concrete paving Teller Ave. and granite block repaving East 158th St., from Asphalt Constr. Co., 208 Bway. $37,206 and $12,872 respectively, bituminous concrete paving University Ave., from Interboro Asphalt Co., 2306 Creston Ave., $18,455; granite block repaving East 149th St., from St. George Granite Co., 90 West St., $14,788; grading curbing and sidewalks on Needham Ave., from F. Del Balso & Son, Inc., 660 East 221st St., $19,445. Noted July 3.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving with granite block 18th St., to C. Helbock, Inc., 633 Wales Ave., $64,004; widening and repaving with sheet asphalt Madison Ave., to Uvalde Asphalt Paving Co., 1 Bway., $60,207; recurbing, flagging, reflagging and asphalt paving West 176th St., to Brusstar Constr. Co., Harlem River and 150th St., $23,990; grading, curbing and flagging West 187th St., to I. F. Cavaluzzo, 1538 Walton Ave., $8,875. Noted June 26.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., July 10, repaving with bituminous concrete Richmond and Central Aves., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $40,159 and $16,860 respectively. Noted July 3.

Pa., Phila.—Bureau of Hys., Dept. Pub. Wks., July 1, from R. B. Wenner, 3106 Midvale Ave., grading (Schedule A), Bayard and Provident Sts., $8,157, Glenwood St. $1,206, Green Tree Rd. and Hampton St. $3,167, Knox St. $724, from S. C. Ratzell, Limekiln Pike and Haines St., Greenwood Tree Rd. and Hampton St. $3,167, from F. Mark Contg. Co., 2820 North 21st St., Boudinot and Clarkson Sts. $5,646; from Eastern Paving Co., 401 Colonial Trust Bldg., asphalt paving (Schedule B) Agate St. $2,599, Dyre St. $18,215, Heyward St. $4,160, Houghton St. $4,539, Lauriston St. $2,920, Hower St. $4,925, Pratt St. $12,936, Salmon St. $3,094, from Mack Paving & Constr. Co., Nictown Lane and Luzerne St., Grange St. $8,666, 4th St. $12,192, 13th St. $7,807, from Barber Asphalt Co., 239 North 30th St., Ingersoll, Seybert, Stillman and Taney Sts. $12,514, grading and asphalt paving (Schedule D), Bigler, 15th, 16th and 17th Sts. $24,377; from J. H. Wells Co., 34 South 16th St., (Schedule E) reconstructing Calumet St. Bridge over Norristown branch Philadelphia & Reading Ry. $19,000; from Chain Belt Co., 2009 Market St. (Schedule F) furnishing concrete mixer $4,834; from J. Brenton, 6428 Saybrooke Ave., (Schedule G) barring out and redressing granite blocks $3,075.

Maryland—State Rds. Comn., Baltimore, from Ward & O'Connell, New Amsterdam Bldg., concrete paving 1 mi. Contr. M-52, Montgomery Co., $28,606, 1.48 mi. Contr. Ho-25, Howard Co., $36,230, 1.3 mi. Contr. Ho-48, Howard Co., $48,839, 2 mi. Contr. P-53, Prince George Co., $43,713; from J. W. Rehill and J. W. McAllister, North East, 1 mi. Contr. Ce-32, Cecil Co., $29,859; from P. F. Reddington, 2 East Lexington St., Baltimore, 0.46 mi. Contr. B-12C, Baltimore Co., $9.047; from S. D. Moses, 3901 Alton Pl., Washington, D. C., 2.03 mi. Contr. 169-S, Montgomery Co., $22,896; from T. Mullan, 3945 Greenmount Ave., Baltimore, gravel surfacing 1.5 mi. Contr. C-17, Calvert Co., $20,345. No bids received on concrete paving 0.07 mi. Contr. Q-30, Queen Annes Co. Noted June 26.

Md., Baltimore—Bd. Awards improving roadways, Contr. 211, 5,060 sq.yd. concrete, 135 sq.yd. cement sidewalk, 1,000 cu.yd. earth excav., from G. Long Contg. Co., 1st Ave. and 12th St., $7,894.

S. C., Greenwood—Greenwood Co., June 27, topsoiling 7.8 mi. State Highway 7, Federal Aid Project 236, from C. C. Jordan, Anderson, $52,701; 220 ft. rein.-con. bridge on above road, from Rogers & Rodgers Constr. Co., Greenville, $13,162. Noted June 10.

S. C., Laurens—Laurens Co. Hy. Comn., June 26, topsoiling 10.1 mi. State Highway 7, Federal Aid Project 237, from Newell Constr. Co., Greenville, $67,414; 110 ft. rein.-con. and steel bridge on above road, from J. C. Norton, Saluda, $8,721. Noted June 19.

Louisiana—State Hy. Dept., Reymond Bldg., Baton Rouge, gravel surfacing 10 mi. Abbeville-Lafayette Highway, from Laiche & Miller, Morganza, (a) $43,200 (b) $46,622.

Ind., Edinburg—Asphalt paving 0.97 mi. Main St., 30 ft., from O. J. Larkin, Franklin, $39,337. Engrs. est. $45,000.

Ind., Indianapolis—Marion Co., hard-surfacing 20,877 ft. Schofield Rd. or 30th St. Rd., 18 ft., from William, O'Hair & Co., Cumberland, $103,350. Engrs. est. $108,567.

Ind., South Bend—St. Joseph Co., concrete paving 1.65 mi. Godshall Rd., 18 ft., from Reith-Reiley Constr. Co., Goshen, $38,740. Engrs. est. $42,001. Noted July 10.

Ill., Chicago—Bd. City Comrs., paving 11,500 ft. Sect. 1, McCormick Rd., 20 ft. asphalt center, 10 in. concrete each side, from J. A. McGarry, 189 West Madison St., Willite $355,248, asphalt $362,538; 11,500 ft. Sect. 2, McCormick Rd., 40 ft., from James A. Sackley Co., 4608 Belmont Ave., Willite $332,380, asphalt $339,400.

Ill., Mason City—For 18,700 sq.yd. rein.-con. and 9,625 lin.ft. straight curbing, in Dists. C and E, to Jensen & Schaeffer, Pekin, approximately $55,000. Noted June 26.

Wis., Wauwatosa—Bd. Pub. Wks., June 27, from Jacobs & Winding, 1 State St., improving Windsor Ave., 8,900 cu.yd. grading at $0.50 per cu.yd., 10,261 sq.yd. rein.-con. paving $2.45, 8,520 sq.yd. Kentucky rock asphalt on concrete $2.75, 8,520 sq.yd. Kentucky rock asphalt on macadam $2.46, 6,910 lin.ft. concrete curb and gutter $0.90, Church St., 4,200 yd. grading $0.70, 3,525 sq.yd. rein.-con. paving at $2.45, 2,930 yd. Kentucky rock asphalt on concrete $2.75, 2,930 sq.yd. Kentucky rock asphalt on macadam at $2.46, 2,364 ft. concrete curb and gutter $0.90, 4th Ave., 300 yd. grading $0.55, 1,845 sq.yd. rein.-con. paving $2.45, 1,560 sq.yd. Kentucky rock asphalt on concrete $2.75, 1,560 sq.yd. Kentucky rock asphalt on macadam $2.46, 1,280 ft. concrete curb and gutter $0.90.

Minn., St. Paul — H. W. Austin, city purch. agt., July 1, from C. F. Sculley Equipment Co., 212 Dakota Bldg., paving Dalest St., 9,436 sq.yd. 7 in. and 506 sq.yd. 8 in. rein.-con., 2,717 sq.yd. tarvia or penetration asphalt, etc., $27,000, Cleveland Ave., 12,325 sq.yd. 7 in. rein.-con., 4,395 lin.ft. straight and 717 lin.ft. radius curb, $30,200; from Fielding & Shepley, 216 University Ave., Marshall Ave., 5,613 sq. yd. 7 in. rein.-con., 4,456 sq.yd. 3 in. brick (laid flat), 104 sq.yd. 3½ in. creosoted wood blocks, 29,243 sq.yd. sheet asphalt, etc., $113,200; from Thornton Bros., 318 Endicott Bldg., Raymond Ave., 9,789 sq.yd 3½ in. creosoted wood block, 4,470 sq.yd. 6 in. rein.-con., etc., $56,900; from Hanlon & Okes, 338 Lumber Exchange, Minneapolis, Larpenteur Ave., 17,633 sq.yd. 7 in. rein.-con., 2,354 lin.ft. integral curb, $42,900.

Neb., Wisner—Paving 12 blocks in Dist. 1, from A. A. Dobson Co., 809 First Natl. Bank, Lincoln, brick $82,544; Bauer & Johnson Constr. & Supply Co., 1124 Cass St., Omaha, concrete $64,804.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, July 1, reconstructing Blow St. from Gravois to McDermott Sts., and 25th St. from St. Louis Ave. to Palm St., from Granite Bituminous Paving Co., Railway Exch. Bldg., $38,349 and $37,985 respectively. Noted June 5.

Wash., Seattle—Bd. Pub. Wks., June 27, grading, etc., Cloverdale St. et al., from F. N. Badolato, Box 561, $26,505, engrs. est. $26,930; 15th Ave. S. et al., from Creelman & Parks, 1079 25th St. N., $47,598, engrs. est. $46,992.

Calif., Stockton—San Joaquin Co., asphaltic concrete paving 8.1 mi. highway from Banta to west boundary, from Valley Paving & Constr. Co., 113 North Court St., Visalia, $169,648.

CONTRACTS AWARDED

New Hampshire—State Highway Dept., State House, Concord, bituminous macadam paving in Lebanon, to Guild & Douglas, Springfield, Vt., $29,340.

Massachusetts—Dept. Pub. Wks., State House, Boston, paving about 4,900 ft. highway, 20 ft., in Brookfield and East Brookfield, rein.-con., to C. Branchi, Framingham, $57,025; highway in Truro and Provincetown, bituminous concrete, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $165,434; highway in Pembroke, bituminous macadam, to A. Susi & Co., 12 Richfield St., Dorchester, $72,139. Noted July 10.

Mass., Boston—Dept. Pub. Wks., City Hall, cement and concrete paving Ayer Rd.

Streets and Roads (Contiued)

and other streets, to G. Tomasello & Sons, 68 Devonshire St., $90,803. Noted July 10.

Mass., Brookline (Boston P. O.)— Asphalt paving 3,000 ft. Harvard St., to Simpson Bros. Corp., 77 Summer St., Boston $31,040. Noted July 10.

R. I., Providence — Dept. Pub. Wks., City Hall, paving North Main St. and others, to Narragansett Impvt. Co., 104 Public St., $45,574.

Conn., Stamford—Paving with 6 in. concrete, Maple and Stillwater Aves., to P. Bacco, 434 Main St. Engrs. est. $70,000.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing, laying sidewalks and paving with granite block, etc., Jamaica Blvd., to Highway Impvt. & Repair Co., 601 Bloomfield Ave., Montclair, N. J., $5,705; also Beach 95th St., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $31,135. Noted July 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to A. A. Johnson Corp., Queens Blvd., sheet asphalt paving Van Alst Ave. $61,044, grading, curbing and laying sidewalks on Woodside Ave., $239,921, 6th Ave. $28,629; regrading, curbing, recurbing, flagging, reflagging and paving 4th Ave. $14,841; to Green Contg. Co., 734 Vernon Ave., Astoria, grading, curbing and laying sidewalks on Van Alst Ave. $25,164; to W. P. McDonald Constr. Co., 17 West 42nd St., New York, sheet asphalt paving 85th Rd., $4,471; to J. J. O'Brien, Jr., William St., Jamaica, grading sidewalk and gutter spaces on 147th Pl., $2,803; 87th St. $7,613; to Cleveland Trinidad Paving Co., Flushing, paving 87th St. $14,833. Noted June 12.

N. Y., Long Island Cty—M. E. Connolly, pres. Queens Boro:. Queens Subway Bldg., to W. P. McDonald Constr. Co., 17 West 42nd St., New 'York, sheet asphalt paving Maurice Ave. $23,760, Opdyke St. $10,040, Siboutsen St. $9,648, grading, curbing, sidewalks and paving Richard Ave. $10,385, 123rd St. $28,835; to Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., grading, curbing, flagging and sheet asphalt paving Court St. $1,035; to Interstate Contg. Co., 154 Nassau St., grading, curbing and sidewalks in Opdyke St., $5,005; to A. A. Johnson Corp., Queens Blvd., sheet asphalt paving 85th St. $19,003; to Cleveland Trinidad Paving Co., Flushing, sheet asphalt paving 85th St. $26,430, 86th St. $26,380. Noted June 26.

Pennsylvania—State Hy. Dept., Harrisburg, rein.-con. paving 42,112 sq.yd. Routes 15 and 343, Bradford Co., to Lane Constr. Co., Bridgeport, Conn., $222,151; 16,999 sq.yd. Route 117, Sect. 4, Fayette Co., to C. R. McIntyre, Fairchance, $85,852; 19,632 sq.yd. Route 247, Sect. 5, Fayette Co., to Georges Constr. Cc., Uniontown, $81,200.

Pa., Upper Darby — Haverford Twp. Boro Council, to Union Paving Co., 30th and Locust Sts., Phila., 8,659 lin.ft. paving Dorby Rd., 18 ft. wide, rein.-con. 6 in. thick at center, 9 in. thick at shoulder, $64,700, 3,151 lin.ft. Benedict Ave. from Dove Rd. to Manoa, Campbell, St. Dennis, and Eagle Aves., $25,000. Noted June 19.

Md., Baltimore — Bd. Awards, paving streets listed in Contr. 259-NA, 9,050 sq. yd. concrete, to D. Marine, 2 East Lexington St., $20,836; Contr. 260-OA, 17,800 sq. yd. asphalt paving, etc., to P. Flanigan & Son, Hartford Rd. and Baltimore & Ohio R.R., $75,441; Contr. 261-OCOANA, 7,250 sq.yd. concrete, to A. Spampinato, 1603 North Eden St., $20,186. Noted June 19.

Md., Baltimore—Grading and concrete paving alleys listed in Contr. 111, to Arundel Constr. Co., Knickerbocker Bldg., $53,372. Noted July 17.

W. Va., Clarksburg — Brick paving 6 blocks Buena Vista Ave., to T. P. Keenan Co., Clarksburg, $25,000. Noted July 3.

W. Va., Huntington—Widening and paving Adams Ave., to A. Trainer, 1128 9th Ave., Huntington, $30,000.

W. Va., Wheeling—Paving Oakmont Addition, 18,850 sq.yd. concrete, 10,000 lin.ft. curbing, 36,700 sq.yd. sidewalks, 8,500 lin. ft. sewers, water and gas lines, to H. D. Patterson Co., Keystone Bldg., Pittsburgh, Pa., $120,000. Noted June 12.

Fla., Bithlo—Paving 5th, 6th, 7th and 8th Sts., sheet asphalt on rock, to Pryor & Dean, Haines City, $100,000.

Fla., Sarasota — To J. H. Crawford, Sarasota, improving various streets, 36,175 sq.yd. asphalt block and 6,750 lin.ft. concrete curb, $71,872; 16,400 sq.yd. asphalt block and 8,000 lin.ft. concrete curb, $35,936. Noted June 5 and 19.

Fla., Tavares—Lake Co., paving Leesburg to Whitney Rds., 2 in. asphaltic concrete on 8 in. rock, to Bryson Live Stock Co., 1418 West Church St., Jacksonville. $86,500.

HIGHWAY—DELAWARE

Following are lowest three bids opened by State Highway Dept., Dover, June 4, for Basin Cor-Newport-Lincoln Highway, 4.05 mi., New Castle Co., (A) D. E. O'Connell & Sons, Ridley Park, Pa., (awarded contract); (B) Vanauken & Robbins, Thendara, N. Y.; (C) Alfred H. McDowell, Elsmere, Del. The unit bids were as follows:

	A	B	C
16,000 cu.yd. excavation	$1.25	$1.25	$1.30
3,600 cu.yd. borrow	.75	1.50	1.30
140 ton bro stone base	4.50	4.80	4.25
7,100 cu.yd. stone concrete pavement	14.75	15.00	14.70
21,400 lin.ft. long metal joint	.19	.20	.20
230 cu.yd. class "A" concrete	32.50	34.00	40.00
50 cu.yd. class "B" concrete	30.00	32.00	39.00
12,000 lb. reinforcement	.08	.10	.10
500 lin.ft. 16 in. corrugated iron pipe	2.15	2.50	2.00
70 lin.ft. 15 in. reinforced concrete pipe	2.75	3.00	3.40
100 lin.ft. 18 in. reinforced concrete pipe	3.75	4.00	4.40
60 lin.ft. 24 in. reinforced concrete pipe	5.50	5.50	6.00
60 lin.ft. 30 in. reinforced concrete pipe	8.00	8.50	10.75
60 lin.ft. 36 in. reinforced concrete pipe	12.00	12.00	13.50
120 lin.ft. relaid pipe	1.20	1.25	1.00
800 lin.ft. 4 in. underdrain	.85	.80	1.00
4,400 sq.yd. concrete gutter	2.30	2.25	2.50
1,200 lin.ft. cable guard rail	.40	.60	.70
2,800 lin.ft. wood sholer curb	.30	.30	.50
1,200 lin.ft. timber piling	1.75	1.75	2.00
Extended totals	$159,593	$165,242	$167,128

ANCHORAGES—PHILADELPHIA, PA.

Bids were opened by Delaware River Bridge Joint Comn., Widener Bldg., June 18, for completion of anchorages for bridge over Delaware River connecting Philadelphia and Camden, N. J., (A) Keystone State Constr. Co., 210 South 13th St. (awarded contract); (B) Frederick Snare Corp., Weightman Bldg.; (C) Arundel Corp., Pier 2, Foot Pratt St., Baltimore. The unit bids are as follows:

	A	B	C
Construction of both anchorages (lump sum)	$2,970,000.00	$3,347,000.00	$3,684,900.00
40 cu.yd. foundation masonry	30.00	25.00	20.00
100 cu.yd. mass concrete	12.00	12.00	11.00
50 cu.yd. reinforced concrete	20.00	18.00	25.00
10 cu.yd. rock faced ashlar granite	80.00	100.00	85.00
10 cu.yd. dressed ashlar granite	105.00	120.00	110.00
20,000 lb. structural steel	.06	.06	06$\frac{4}{10}$
20,000 lb. reinforced steel	.05	.05	.05$\frac{1}{2}$
Extended totals	$2,977,450	$3,354,500	$3,692,380

Ala., Birmingham — City, (**e. e. means engrs. est.**) concrete paving 5 blocks 13th, 15th, 16th and 21st Aves. N., 40 ft., to Gamble Constr. Co., Chattanooga, $32,570, e. e. $35,000; asphaltic concrete paving 4 blocks Rhodes Circle and 11th Ave. S., 30 ft., to Dunn Constr. Co., Lincoln Life Bldg., $14,976, e. e. $15,000; asphalt paving 1 block 14th Pl. S., 40 ft., to C. F. Brown, 224 Cornelia Ave., $2,594, e. e. $2,600, 1 block 11th Ave., 40 ft., to H. N. Bowdry, Empire Bldg., $1,825, e. e. $2,000; grading 7 blocks 11th Ave., 32nd and 34th Sts., 30 ft., to P. Richter, 1801 Pearson Ave., $4,429, e. e. $4,500; 7 blocks new sewers in Sudduth addition to north Highlands, to J. L. McPoland, 831 Woodland Ave., $3,447, e. e. $3,500. Noted June 6 and 17.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, grading and gravel surfacing 9 mi. Opelousas-Oakdale Highway, Evangeline Parish, to A. J. Singletary, Oakdale, $50,819. Noted July 3.

La., Arcadia — Paving various streets 8,705 sq.yd. 6 in. rein.-con. paving, 2,675 ft. curbing, etc., to E. J. Deas Paving Co., Shreveport, $26,587.

Kentucky—State Hy. Dept., Frankfort, (**S. P. means State Project**), waterbound macadam surfacing 13.2 mi. London-Corbin Rd., 12 ft., S. P. 5-D, Laurel Co., to E. A. Chilton, London, $143,06, 3.5 mi. tanford-Danville Rd., 14 ft., S. P. 22-F, Lincoln Co., to Taylor Bros., Danville, $36,736, 4.8 mi. Versailles-Lawrenceburg Rd., 14 ft., S. P. 20-D, Woodford Co., to Karrick & Sable, New Town, $32,944, 10 mi. Madisonville-Hopkinsville Rd., 14 ft., S. P. 2-F, Christian Co., to N. E. Stone, Madisonville, $109,356, 6.1 mi. Elizabethtown-Lietchfield Rd., 18 ft., S. P. 12-G, Hardin Co., to W. R. Routt, $18,911, 6.5 mi. Eminence-Shelbyville Rd., 16 ft., S. P. 46-D, Henry and Shelby Counties, to B. W. Gorham, Lexington, $47,309, 7.05 mi. Mt. Vernon-Roundstone Rd., 12 ft., S. P. 5-L, Rockcastle Co., to J. B. Betts, Nicholasville, $64,625, 6.5 mi. Somerset-Stanford Rd., 14 ft., S. P. 22-G, Lincoln Co., to Hughes & Ware, Lancaster, $64,366; bank gravel surfacing S. P. 34-F, Webster Co., to A. J. Hoffman, North Adams, Mich., $22,879. Noted May 8 and June 19.

Ky., Louisville—To H. Bickel Co., 443 Garden St., sheet asphalt on 6 in. concrete surfacing Goddard Ave., 2,200 cu.yd. excav. at $1.20 per cu.yd., 2,600 lin.ft. straight limestone curbing $1.50, 850 ft. limestone curbing set on curve $2.00 and 100 ft. curved limestone curbing $2.50, 5,600 sq. yd. paving $2.75, 600 sq.yd. paving $2.40, etc., total $24,218, McHenry St. from Mulberry to Lydia Sts., $4,047, engrs. est. $32,500.

O., Cleveland — Improving West 114th St., 7,850 sq.yd. vitr. brick, 5,100 lin.ft. stone curb, 5,366 lin.ft. 4 in. drain gutter, to Fischer & Williams, Lorain Rd., $47,782.

O., Canton—Paving Wells Ave. S. W. from 6th St. S. W. to Michael Pl. S. W., brick, to H. Corl, Canton, $30,451; Glendale Pl. from Maple Ave. N. E. to St. Elmo St., brick, to Garraux Bros., Canton, $26,449, engrs. est. $30,000; Harvard St. N. W. from 15th to 19th Sts., asphalt, also widening and asphalt resurfacing 3rd St. N. W. from McKinley Ave. to Shorb St. N. W., to Burd Constr. Co., 1043 Spring Ave. N. E., $42,600 and $26,754 respectively, engrs. ests. $50,000 and $28,000 respectively; north side of Tuscarawas St. W., from Boylin Ave. to west corporation line, brick, to Wise Bros., Canton, $25,529, engrs. est. $25,000-$30,000.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, paving East 108th, 112th, 124th, 126th and 128th Sts., 17,050 sq.yd. asphalt on concrete, 11,455 lin.ft. stone curb, 13,080 lin.ft. 4 in. drain tile gutter, 9,730 cu.yd. earth excav., $89,313; Britton Dr., Fairmount Rd., Denison, Mt. Overlook and Auburn Aves., 11,100 sq. yd. asphalt on concrete, 8,250 lin.ft. stone curb, 8,900 lin.ft. 4 in. drain tile gutter, 5,490 cu.yd. earth excav., $56,556.

O., Cleveland Heights (Warrensville P. O.)—Asphalt paving, curbing and guttering Blanch Rd., to Bentley Bros., 3030 Euclid Ave., Cleveland, $37,902; Bainbridge Rd., Spangler, Selwyn and Lownsdale Rds., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $69,821 and $51,474 respectively; Berkely Rd., to Spence Bros., 2078 Random Rd., Cleveland, $66,607. Noted July 3.

O., St. Clairsville—Commissioners Belmont Co., paving 2 mi. Winding Hill Rd., tar bound macadam, to E. H. and A. E. Rice, Belmont, $56,897.

O., Steubenville — Jefferson Co., constructing Steubenville-Altamount-Mingo Rd. to E. A. Hatcher, Mingo, $32,544.

Indiana — State Highway Dept., Indianapolis, concrete paving 60,055 sq.yd. State Rd. 16, French Lick Route from Gentryville to Little Pigeon Creek, Spencer Co., to Hinsey & Dull, Portland, $89,961. Engrs. est. $108,275. Noted July 10.

Ind., Bedford — Lawrence Co., (**e. e. means engrs. est.**), concrete paving 1.07 mi. Bedford and East Oolitic Rd., 18 ft., to O. P. Turley, Bloomington, $28,382, e. e. $31,000; 1.1 mi. Mitchell and Bedford Rd., 24 ft., to W. J. Nees Co., 1152 East Walnut St., Frankfort, $26,888, e. e. $28,826; 0.9 mi. Bedford and Leesville Rd., 18 ft., to H. D. Flinn, Bedford, $26,208; 1.2 mi. Mitchell and Spice Valley Church Rd., 18 ft., to J. and E. C. Gorman, Bedford, $25,768, e. e. $26,536. Noted July 10.

Ind., Crown Point—Lake Co., (**e.e. means engrs. est.**) concrete paving 62.154 sq.yd. Gleason Rd., to Sunderman Constr. Co., Hammond, $160,000, e.e. $162,000; 108,190

Streets and Roads (Continued)

sq.yd. Simpson Rd., to A. L. Courtwright & Son, Crown Point, $227,000, e.e. $280,500; grading and graveling 2 mi. Bothwell Rd., 20 ft., to J. W. Wheeler, Crown Point, $16,650. Noted June 19.

Ind., Goshen—Elkhart Co., concrete paving 1.26 mi. Twp. Rd. C-1, 18 ft., to Seaman Constr. Co., Goshen, $35,150. Noted May 29.

Ind., Indianapolis—Marion Co., concrete paving Davidson Rd., to C. F. Smith, 56th St., $38,486.

Ind., Kokomo -- Howard Co., concrete paving 2.13 mi. Learner Rd., 18 ft., to Commonwealth Constr. Co., c/o W. A. Ehrman, engr., 215 West Monroe St., $55,-332. Engrs. est. $70,696. Noted July 10.

Ind., South Bend—St. Joseph Co., concrete paving, 6,199 ft. Notre Dame Ave., and 5,601 ft. Olive St. Rd., both 20 ft. to W. J. Neese Co., Frankfort, $32,700 and $32,435 respectively. Engrs. ests. $36,213 and $38,485 respectively.

Michigan—State Hy. Dept. at office Comrs. Lapeer Co. Lapeer, grading and surfacing 0.845 mi. State Trunk Line Rd. 21-21, 9,426 cu.yd. excav., 19,498 sheet asphalt on concrete, and 2,471 sq.yd. gravel, to Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, $71,539. Noted July 3.

Illinois—Dept. Pub. Wks. and Building, Div. Highways, Springfield, **(S. R. means State Route)** paving S. R. 26, Sect. 5, and S. R. 26, Sect. 6, Ogle Co., to J. J. Dunnegan Constr. Co., Shenandoah, Ia., $5,916 and $4,902 respectively; S. R. 5, Sect. 27, Jo Daviess Co., to A. E. Rutledge, Rockford, $10,599; S. R. 2, Sect. 37X, Ogle Co., to H. Zolper & Son, Mendota, $18,535; S. R. 12, Sect. 2, Lawrence Co., to J. W. Etchison Co., Casey, $145,191; S. R. 12, Sect. 3, Lawrence Co., to Arnold, Casey, $145,586 grading S. R. 37, Sect. 13S, Williamson Co., to J. W. Jones, Benton, $9,554. Noted Mar. 27.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving State Route 13, Sect. 1X, Williamson Co., to Mitchell Constr. Co., Marion, $53,202.

Ill., Elmhurst — Grading, concrete curb and gutter and paving penetration macadam 2nd St. et al., to J. A. McGary Co., 129 West Madison St., Chicago, $156,800; Myrtle and Addison Aves., to Pronger & Black, Blue Island, $15,000. Noted June 12.

Michigan — State Hy. Dept. at office Comrs. Gogebic Co., Bessemer grading and surfacing 0.648 mi. State Trunk Line Rd. 12-16, 10,331 sq.yd. concrete, to H. O. Schaefer, Green Bay, Wis., $35,873. Noted May 29.

Wisconsin—State Hy. Comn., Madison, grading, surfacing, etc., Stevens Point-Wausau Rd., Project 38, Marathon Co., to Morris Martin Co., Berlin, 25,994 cu.yd. earth excav., at $0.75 per cu.yd., 85,377 sq.yd. concrete surfacing $1.26, etc., total $107,575. Former contract rescinded. Noted May 8.

Wis., Milwaukee—Dept. Pub. Wks., to Schwerm Bros., 50 Lee St., paving Astor St., concrete $552; to G. H. Gumz, 831 13th Ave., Chambers St. vibrolithic concrete $89,330, 2 alleys, concrete $8,314; to Tallmadge & Hunt Constr. Co., 445 Milwaukee St., Jackson, St. $13,564, 18th St. $5,923, Kinnickinnic Ave. $58,197, all vibrolithic concrete; to A. E. Retzlaff, 868 Island Ave., 3rd St., vibrolithic concrete, $3,512, 1 concrete alley, $6,199; to F. Hilderbrand, Jr., 1040 23rd Ave., 3 concrete alleys, $18,963; to G. W. Hirth, 1309 7th St., 2 concrete alleys, $640; to Parkinson Constr. Co., 322 27th St., 2 concrete alleys, $6,888; to Ryback & Sadowski, 1092 2nd Ave., 1 concrete alley, $2,811; to Kroening Constr. Co., Mitchell St. and 39th Ave., 1 concrete alley, $5,256; to F. W. Blodgett, 521 Newton Ave., 3 concrete alleys, $6,514. Noted July 3.

Minn., Fairmont — Curbing, guttering and paving 13,400 sq.yd. various streets, to F. D. Gould, Fairmont, $50,140.

Minn., Red Wing—Paving about 19,326 sq.yd. Plum, 7th and East 7th Sts., Class C one course concrete, to M. J. Nolan Constr. Co., 258 Temple Court, Minneapolis, $1.89 per sq.yd.

Kan., Wichita—Sedgwick Co., improving 1,261 mi. Project 130-C, earthwork and slab base, to Stewart & Ritchey, Wichita, $55,784; culverts, to Parsons & Son, Wichita, $2,742; Valley Center Spur, to Ziegler & Dalton Constr. Co., Wichita, $71,767.

Neb., Chadron—Asphaltic concrete paving 9,300 yd. Dist. 7, to Roberts Constr. Co., 415 First Natl. Bank Bldg., Lincoln, $40,135. Engrs. est. $45,000.

Neb., Lincoln—Paving Dist. No. 559, to Able Constr. Co., 318 Terminal Bldg., $45,-995. Engrs. est. $48,000.

Neb., Omaha—Asphaltic concrete paving 110,000 yd. various districts, to G. Parles & Co., 4811 South 24th St., $400,000.

S. D., Sioux Falls—Paving 32 blocks various streets, to Western Asphalt Paving Co., concrete paving $1.95 per sq.yd., grading $0.60 per cu.yd., etc.

Wyo., Cheyenne—Grading, curbing and 1½-in. asphalt paving 4,900 ft. Randall Ave., 44 ft. wide, 1½-in. asphalt binder and 1-in. sheet asphalt on 5-in. base, to A. H. Read Co., 329 Leflang Bldg., Omaha, Neb., $121,000. Engrs. est. $125,000.

Montana—State Highway Comn., Helena, June 10, improving 15.89 mi. Federal Aid Project 189 A and B on Nashua-Fraser Section of Roosevelt Highway, Valley Co., 132,287 cu.yd. common, 797 cu.yd. intermediate and 797 cu.yd. rock excav., 13,310 sta. yd. overhaul, 25,581 cu.yd. crushed gravel surfacing, etc., to Fitzgerald & Staunton, 114 1st Ave., Great Falls, $95,406. Noted May 29.

Missouri — State Hy. Dept., Jefferson City, grading 7.874 mi. road from Ellington north, 26 ft., Reynolds Co., and 16.359 mi. St. Louis-Sikeston Rd., 30 ft., St. Francois Co., to M. E. Gillioz, Monett, $72,379 and $133.335 respectively, grading 3.237 mi. road from Butler east and west, 30 ft., Bates Co., and graveling 9.621 mi. road from Stockton east, 12 ft., Cedar Co., to Lahar Bros., Sedalia, $22,566 and $48,-277 respectively; grading 8.649 mi. Maysville-Oak Rd., De Kalb Co., E. Essler, Easton, $69,441, 13.107 mi. St. Louis-Sikeston Rd., 30 ft., Jefferson Co., to C. P. O'Rielley & Co., Wainwright Bldg., St. Louis, $59,-078, 0.454 mi. road, 30 ft. Worth Co., to O. H. Schmidt, St. Joseph, $4,696, 4.709 mi. St. Louis-Sikeston Rd., 30 ft., Jefferson Co., to Brothers & Sons, Kimmsuick, $49,334, 4.496 mi. road from Butler east and west, 26 ft., Bates Co., to Western Bridge Co., Harrisonville, $25,638, 1.744 mi. South Greenfield-Pennsboro Rd., 26 ft., Dade Co., to Republic Constr. Co., Republic, $15,266; graveling 3.03 mi. road from Ava south, 12 ft., Douglas Co., to Jones & Harlan, West Plains, $12,353, 3.566 mi. road from Ave south, 12 ft., Douglas Co., to J. A. Kerr, Ozark, $17,932, 2.185 mi. road from Diehlstadt south, 16 ft., Mississippi Co., to Novaculite Constr. Co., Marion, Ill., $29,-670, 3.825 mi. Mexico-Bowling Green Rd., 18 ft., Audrain Co., to J. P. Murphy, Moberly, $29,084. Noted June 19.

Tex., Beckville—Panola Co., grading and surfacing 9.5 mi. Highway 43, from here to Carters Ferry, to Bramer & Wilder West Bldg., Houston, $55,449.

Tex., Dallas—Dallas Co., widening 1.65 mi. East Grand Ave., to Hill, Wilson & Watson, North Texas Bldg., approximately $25,000.

Tex., Denison—Concrete improving 20,-000 sq.yd. Myrick Ave., to H. W. Greenway, 214 Hemphill St., Ft. Worth, concrete paving $2,40 per sq.yd., curbing $0.50. Noted June 12.

Tex., Denison — Improving Armstrong Ave. from Main to Heron Sts., to Kaw Paving Co., 616 N.E. Bldg., Topeka, Kan., 2 in. Uvalde rock asphalt on concrete $2.84 per sq.yd., curbing and guttering $0.85, etc., total approximately $30,000. Noted June 19.

Tex., Jasper—Jasper Co., grading, gravel surfacing and bridging 5.82 mi. State Highway 45, 18 ft., State Aid Project 441, to J. Thompson, San Augustine, $52,305. Noted July 10.

Tex., Pecos — Reeves Co., grading and gravel surfacing 13.25 mi. State Highway 1, Federal Aid Project 390, 18 ft., and grading and caliche surfacing 3.79 mi. State Highway 3, Federal Aid Project 408-A, 16 ft., to Valient & Toomey Inc., 1703 F & M Bank Bldg., Ft. Worth, $112,628 and $35,812 respectively. Engrs. ests. $121,-400 and $45,725 respectively. Noted July 10.

Oklahoma — State Hy. Dept., Oakland City, **(e. e. means engrs. est.)** improving 0.88 mi. Federal Aid Project 109-E, Creek Co., 9,300 sq.yd. concrete, 6,800 cu.yd. excav., to W. Brooks, 612 East 8th St., Oklahoma City, $28,208, e. e. $30,000; 1 mi. Federal Aid Project 131-A, Oklahoma Co., 10,560 sq.yd. concrete, 7,000 cu.yd. excav., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $29,999, e. e. $30,000; 7.91 mi. Federal Aid Project 125-A, Kay Co., 78,390 sq.yd. concrete, 56,000 cu.yd. excav., to E. P. McElrough, Corsicana, Tex., $225,262, e. e. $250,000.

Ark., Hot Springs — Grading and paving Impvt. Dist. 74, 3,983 cu.yd. grading, 2,160 ft. 12- to 24-in. tile, 10,297 ft. concrete curbing, 9,744 lin.ft. concrete gutter, 13,397 sq.yd. concrete paving, to P. F. Connley Constr. Co., Southern Trust Bldg., Little Rock, $58,142.

California—State Highway Comn., Sacramento, widening about 4 mi. highway in Solano Co., (X-Sol-7-B), concrete and crushed gravel or stone shoulders, to Tibbals, Percival & Cress, Sacramento, $42,-407, engrs. est. $44,512; constructing two 15 ft. and one 30 ft. span rein.-con. bridge over San Juan Creek near San Juan Bautista, (V-S. Bt-67-A), San Benito Co., to Rocca & Caletti, San Rafael, $4,602, engrs. est. $5,080.

Calif., San Rafael—City Council improving various streets to Raisch Impvt. Co., 46 Kearney St., San Francisco, $40,512. Noted July 3.

Calif., Santa Barbara — Santa Barbara Co., paving about 25 mi. Santa Ynez Valley Rd. System, macadam, to C. W. Wimmer, Bakersfield, $283,360. Noted June 19.

Ont., Niagara Falls—Will pave various streets, by day labor. $150,000. T. S. Scott, city engr.

Ont., Smiths Falls—Bituminous macadam paving various streets, to G. Farmer & Sons, 45 Bartrand Ave., Ottawa, $29,000.

Buildings—Industrial

PROPOSED WORK

Mass., West Newbury—Plant—Town of Newbury, J. D. Ring, chn. com., plans eletcric light plant, here. $40,000. Engineer and architect not selected.

Pa., Pittsburgh — Machine Shop — Williams Gauge Co., 543 4th Ave., plans probably 1 story, 76 x 204 ft., Pennsylvania Ave. Private plans.

Pa., Seward—Plant—Penn Pub. Serv. Corp. having plans prepared by Dwight P. Robinson & Co., Inc., 125 East 46th St., New York City, extension to plant, incl. 2 new boilers equipped with preheaters and fans, 1 new stack and new boiler feed pumps, stoker equipment to be exact duplicate of that already installed.

Md., Baltimore—Plant—S. Kirk & Sons, 106 East Baltimore St., having plans prepared 1 story, brick and steel, plain foundation, 25th and Taylor Sts. $80,000. R. C. Sandlass, 404 St. Paul St., engr.

W. Va., Huntington — Hydro-Electric Plant—Virginian Power Co., Charleston, operated by H. L. Doherty & Co., 60 Wall St., New York City, making preliminary plans hydro-electric plant, here. $800,000. Private plans.

Fla., Miami—Factory—Air Kool Spark Plug Corp., having plans prepared by Kiehnel & Elliott, Miami, 2 story, 100 x 145 ft., Northwest 29th St. and 2nd Ave. $150,000. R. B. Harper, Miami, pres.

Tenn., Chattanooga — Housing — Dixie Concrete Products Co., having plans prepared by W. H. Sears, James Bldg., and others, 60 residences, concrete block, $5,000 each. Total $300,000.

Tenn., Nashville—Plant, etc.—Armour & Co., 208 South LaSalle St., Chicago, Ill., plans packing plant and warehouse, 4th Ave. N., here. $200.000. Private plans.

Ky., Louisville — Plant — A. G. Tafel, archt., Coleman Bldg., takes bids about Sept. 10, 5 story, 80 x 100 ft., 14th and Magazine Sts., for A. Engelhard & Sons Co., 805 West Main St. $75,000. Noted June 12.

O., Cleveland—Power Station—Cleveland Electric Illuminating Co., Illuminating Bldg., plans 1 story, 115 x 238 ft., brick and rein.-con., 1830 Lakeside Ave. $300,000. Foundation contract awarded.

O., Cleveland—Freight Terminal—New York, Chicago & St. Louis R.R., c/o L. Bernet, pres., Columbia Bldg., plans brick and steel, Berg Hill and Central Ave. $150,000. E. E. Hart, Columbia Bldg., engr.

O., Dover—Warehouse—Reeves Mfg. Co. plans 1 story, 150 x 300 ft. $40,000.

Ind., Evansville—Foundry—W. P. Hartig Plow Co., 2200 1st Ave., having plans prepared by G. Karges, Furniture Bldg., 1 story, 75 x 160 ft., brick and steel, $40,000.

Ind., Ft. Wayne—Plant—P. Eckrich & Son, 2506 Bway., plans 3 story and basement, 40 x 88 ft. meat packing plant, timber. $30,000. Private plans.

Ind., Hartford City—Mill—Ft. Wayne Corrugated Paper Co., plans 1 and 2 story, 180x350 ft., rein.-con., brick and steel. $250,000. Private plans.

Ind., Indianapolis—Factory—Indianapolis Candy Co., 225 East Maryland St., having plans prepared by R. N. Edwards, Union Trust Bldg., 4 story and basement, rein.-con., brick and steel, Union St. $100,000.

Ind., Indianapolis — Foundry — Natl. Malleable Castings Co., 546 North Holmes Ave., plans 1 story, 93 x 630 ft., rein.-con., brick and steel, Holmes Ave., $100,-000. Private plans.

Ill., Chicago—Factory—Western Shade Cloth Co., 2100 South Jefferson St., soon takes bids superstructure for 4 story and basement, 80 x 300 ft., brick and steel addition, 2100 South Jefferson St. $400,000. Contract for wood pile awarded to Mid City Eng. Corp., 84 North Franklin St. J. B. Fisher, 140 South Dearborn St., engr.

Wis., Green Bay—Factory—Automatic File and Index Co., 10th St. and South Bway., having plans prepared 1 story, 90 x 120 ft., brick and timber addition, plain foundation. $60,000. Private plans.

Buildings—Industrial (Continued)

Wis., Madison — Factory — Wisconsin Pump Mfg. Co., W. M. Harks, pres., 445 West Gilman St., plans rein.-con., brick and steel, plain foundation. $50,000. Engineer and architect not selected.

Wis., McDill (Stevens Point P. O.)—Plant—Stevens Point Pulp & Paper Co., E. S. Goodell, mgr., plans rebuilding 1 story, 50 x 100 ft., rein.-con. and brick, plain foundation, recently destroyed by fire. $40,000. Engineer and architect not selected.

Wis., Vesper — Condensery — Troy Milk Products Co., plans 3 story, brick and timber, plain foundation. $200,000. Engineer and architect not selected.

Tex., Marshall—Mill, etc.—Taylor Mill & Elevator Co. plans mill and elevator addition, concrete. $45,000. F. S. Covin, mgr.

Washington—Power Plant, etc.—Puget Sound Power & Light Co., Stuart Bldg., Seattle, plans power plant, dam, pipe line and tunnel on Baker River. $3,500,000. Noted Jan. 17.

Ont., Ottawa—Substation—Ottawa Electric Co., 35 Sparks St., plans 43 x 58 ft. substation, Holland Ave $100,000. A. A. Dion, 35 Sparks St., engr. and gen. mgr.

BIDS DESIRED

Mass., Boston—Plant—Boston Elevated Ry. Co., 31 St. James Ave., taking bids, boiler plant, and garage Washington St., Forest Hills. To exceed $40,000. Private plans.

N. Y., Wende (Millgrove, P. O.)—Plant—July 22, by Bd. Supervs. Erie Co. (Buffalo), Room 29 City and County Hall, steam boiler plant in connection with Erie Co. Penitentiary, here. To exceed $150,000.

Pa., Phila.—Factory—July 19, by L. Rothschild, archt., 215 South Broad St., 6 story and basement, 117 x 203 ft., rein.-con. and brick, 16th St. at North Phila. Sta., for J. J. Greenberg, Morris Bldg. $300,000.

O., Cleveland—Factory—Adam Hoffman Ice Cream Co., c/o E. M. Hoffman, vice pres., 10522 Cedar Ave., taking bids 2 story and basement, 50 x 80 ft., brick, steel and concrete, 10522 Cedar Ave. $50,000. Hadlow, Hick & Co., Finance Bldg., archts.

O., Massillon—Plant—Central Steel Co., taking bids blast furnace, by-product coke ovens and auxiliary plants, Columbia Heights. $10,000,000. C. E. Stuart, secy. and treas. Noted June 28, 1923.

Okla., Blackwell — Plant — Blackwell-Tribune Pub. Co. taking bids 2 story, 50 x 110 ft., rein.-con., brick and stone. S. S. Voight, 504 Orpheum Bldg., Wichita, Kan., archt.

CONTRACTS AWARDED

Conn., Waterbury—Factory—Plume & Atwood Mfg. Co., 470 Bank St., 4 story factory, 24,400 sq.ft. floor space, also 5 story brick and concrete stair and elevator tower, Bank St., to Torrington Building Co., 182 Church St., Torrington. Noted June 19.

Conn., Winsted — Factory — Strand & Sweet Mfg. Co., Meadow St., 2 story brick and steel addition, plain foundation, Meadow St., to F. W. Fuller Co., 79 Milk St., Torrington. Archt. est. to exceed $40,000. Noted Jan. 17.

Pa., Corry—Machine Shop—U. S. Radiator Co., general contract 1 story, 166 x 175 ft. machine shop, to Rogers Constr. Co., Corry.

Pa., Kingston—Steam Turbine Station—Luzerne Co. Gas & Electric Co., design and construction 40,000 kw. steam turbine station, to Stone & Webster, 120 Bway., New York City. $5,000,000.

Pa., Phila.—Factory—Hess Bright Mfg. Co., Front and Erie Sts., 1 story, 30 x 140 ft., rein.-con. addition, to H. J. Homan, 18th and Cherry Sts.

Pa., Phila. — Mill, etc. — Lehigh Silk Hosiery Mills Inc., D and Ontario Sts., 4 story and basement, 89 x 220 ft., mill, 2 story and basement, 40 x 60 ft., cafeteria, and 2 story, 35 x 200 ft. boiler and dye house, rein.-con. and brick, plain foundation, Butler and Jasper Sts., to H. Brockelhurst, 512 West Norris St., who is taking sub-bids.

Pa., Pittsburgh — Factory — McKinney Mfg. Co., general contract 3 story and basement, 97 x 99 ft., brick and steel, Magnolia St., to H. Shenk Co., Century Bldg. Archts. est. $80,000.

Pa., Pittsburgh—Sub-station—Duquesne Light Co., 435 6th St., general contract 2 story and basement, 65 x 120 ft., brick and steel, Penn Ave., to Dwight P. Robinson Co., Penn and 13th Sts. Engrs. est. $150,000.

Md., Baltimore—Factory—Oles Envelope Co., 514 East Lombard St., 1 story and basement, 100 x 250 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000.

N. C., Durham — Power House — See "Waterworks."

O., Cleveland — Factory — Cleveland Worm & Gear Co., 1667 East 40th St., 1 story, 50 x 66 ft., and 150 x 240 ft., brick and steel, 3249 East 80th St., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $150,000.

O., Geneva—Cupola—Geneva Metal Wheel Co., 2 story, 30 x 63 ft., brick and steel, to J. H. O'Grody, 26 Euclid Arcade. Archts. est. $40,000.

Ind., Batesville—Factory—Union Furniture Co., 3 story and basement, rein.-con., brick and steel, to W. A. Gutzwiller, Batesville Bank. Archts. est. $60,000. Noted June 19.

Ind., Hobart—Plant—Natl. Fireproofing Co. Bessemer Bldg., Pittsburgh, Pa., will build 1, 2 and 3 story, rein.-con. fan house, kilns, storage and 2 dryer buildings, by day labor here, S. F. Heckert, Bessemer Bldg., Pittsburgh, Pa., engr. Noted Feb. 21.

Ind., Indianapolis — Plant — Cornelius Printing Co., North Capitol Ave., 1 story, 125x250 ft., brick and steel, West Washington St., to Strathman Constr. Co., Meyer-Kiser Bank. Archts. est. $100,000. Noted July 3.

Ill., Chicago—Plant—J. R. Beierscdorf & Bros., Union Stock Yards, 3 story and basement, 125 x 147 ft., rein.-con. and brick, at stock yards, to Schmidt Bros., 22 East Huron St.

Wis., Shorewood—Plant—Western Lime & Cement Co., 68 Wisconsin St., Milwaukee, will rebuild 2 story, stone and steel, plain foundation, recently destroyed by fire, by day labor. $40,000. Private plans. Noted June 26.

Neb., Omaha—Power House—Nebraska Power Co., c/o J. C. Davidson, 2 story and basement, 59 x 253 ft., steel and rein.-con. addition, 4th and Leavenworth Sts., to Phoenix Utility Co., 71 Bway., New York City, N. Y., $300,000.

Wash., Longview—Mill—Pacific Coast Paper Co., Portland, Ore., 40x272 ft., timber machine house, 40x81 ft., concrete boiler house, 2 story, 40x80 ft., timber heater house, 16x40 ft. timber line room, 40x40 ft. concrete lime house and 41x41 ft., timber office, here to A. Beisse, Longview, $60,000.

Calif., Los Angeles—Packing Plant—Federal Refrigerating Co., Trust & Savings Bldg., 60 x 500 ft., rein.-con., to Pozzo Constr., 421 Macy St., $85,000.

Calif., Upland — Plant — West Ontario Citrus Assn., Ontario, approximately 150 x 242 ft. pre-cooling and packing plant, rein.-con., here, to Campbell Constr. Co., Ontario, $80,000.

Ont., Peterboro—Plant—Canadian General Electric Co., 212 King St. W., Toronto, 4 story, 80 x 200 ft., concrete, brick and steel, plain foundation, to Norman & McLeod Ltd., Kent Bldg., Toronto. Archts. est. $200,000.

Buildings—Commercial

PROPOSED WORK

N. H., Concord — High School — City plan high school. $400,000. B. F. Hodgman, ch. building comm. Engineer and architect not selected.

Vt., Burlington—Chapel—University of Vermont, having sketches made by McKim, Mead & White, archts. and engrs., 101 Park Ave., New York City, brick and stone, plain foundation, on campus. $500,000.

Mass., Arlington (Boston P. O.)—High School—Bd. Educ. plans Eastern Junior high school, Lake St. $200,000-$250,000. Engineer and architect not selected.

Mass., Boston — Hotel — Hotel Vincent c/o W. Damaino, 73 Tremont St., having sketches made by McFarland & Laurie, 162 Newbury St., 14 story and basement, Park Sq. dist. $7,000,000.

Mass., Brighton (Boston P. O.)—Sales, Service and Repair—Garford Motor Truck Co., Inc., 900 Commonwealth Ave., plans, 2 story and basement, rein.-con. and brick. To exceed $150,000. Engineer and architect not selected.

Mass., Cambridge—Athletic House—City having sketches made by Blackall, Clapp & Whittemore, 20 Beacon St., Boston, athletic house, R. E. Hoyt Field. $150,000. J. P. Downey, supt. Pub. Buildings.

Mass., Cambridge—Settlement House—Margaret Fuller House, c/o Frost & Raymond, archts., 5 Boylston St., Boston, having plans prepared, settlement house, Cherry St. $150,000.

Mass., Fall River—Hospital—Bd. City Hospital Trustees, having preliminary plans prepared by J. Higgins, 11 Pleasant St. hospital. $600,000.

Mass., Fall River—School—City having plans prepared by L. A. Destresops, 11 Pleasant St., 2 story and basement, 125 x 175 ft., rein.-con. and brick, Anthony St. $200,000.

Mass., Franklin — High School — Bd. Educ. having plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, brick and stone, West Centre and Union Sts. $185,000. J. M. Reilly, chn. school comn.

Mass., Mattapan — Church — Mattapan Methodist Episcopal Church, having preliminary plans prepared by Woodbury & Stuart, 581 Boylston St., Boston, church, Blue Hills Parkway near Brooks St. $150,000.

Conn., Bridgeport—Church—St. Stephens Hungarian Church Society, c/o J. A. Jackson, archt. and engr., 9 East 47th St., New York City, having plans prepared brick, steel and stone addition, Bostwick Ave., here. $200,000.

Conn., Bridgeport—School—St. John the Baptist Greek Catholic Church, 707 Artic St., having plans prepared by W. Schmidt, 1188 Main St., 2 story and basement, 60 x 125 ft., brick and stone, Hallott St. $150,000.

Conn., Danbury—High School—Bd. Educ. plans high school, White St., $500,000. N. Selleck, chn. Engineer and architect not selected.

Conn., New Haven—School—St. John's Church, having plans prepared by J. A. Jackson, 185 Church St., 2 story and basement, 115 x 125 ft., brick, plain foundation, Davenport and South Aves. $150,000. J. D. Coyle, 79 Davenport Ave., pastor.

N. Y., Astoria—School—Bd. Educ., 500 Park Ave., New York City, had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 122, brick, steel and stone, plain foundation, Ditmar and Van Alst Aves., here. $968,000.

N. Y., Buffalo — Clubhouse — Order of Elks, 211 Delaware Ave., having plans prepared by J. J. W. Bradley, 547 Franklin St., 7 story, 151 x 226 ft., brick, steel and stone, Delaware Ave. $700,000.

N. Y., Buffalo—Store and office—O. Goldsmith, c/o Buffalo Shirt Co., Urban and Kehr Sts., plans 3 story addition, Main and Utica Sts. To exceed $150,000.

N. Y., Jamaica—School—Bd. Educ., 500 Park Ave., New York City, rejected bids P. S. 131, 172nd St., here. Will readvertise.

N. Y., New York—Apartment—Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., preparing plans 5 story, 100 x 105 ft., brick, steel and stone, plain foundation, East 180th St. Owner's name withheld.

N. Y., New York—Club House—Brook Club, 7 East 40th St., having plans prepared by Delano & Aldrich, archts. and engrs., brick, steel and stone, plain foundation, 111 East 54th St. $400,000.

N. Y., New York—Home—Harlem Home of Daughters of Israel, East 117th St., having sketches made by L. A. Abramson, archt. and engr., 48 East 46th St., 7 story, 100 x 120 ft., brick, steel and stone, plain foundation, 107th St. and 5th Ave.

N. J., Atlantic City—Apartment Hotel—W. G. Souders, 31 Nassau St., New York City, takes bids about Aug. 3, 14 story and basement, rein.-con. and brick, Albany Ave. and Boardwalk, here. R. De Golyer, 7 South Dearborn St., Chicago, Ill.

N. J., Camden—Hotel—Community Hotel Corp., c/o H. L. Stevens, archt. and engr., 522 5th Ave., New York City, having sketches made 9 story, brick, steel and stone, plain foundation, Bway., here. $1,250,000.

N. J., Trenton — Apartment — L. S. Kaplan, archt., 1st Natl. Bank Bldg., preparing plans 8 story, apartment, Richey Pl. $300,000. Owner's name withheld.

Pa., Bellevue—Hospital—Suburban Hospital having plans prepared by F. Giffen, Magee Bldg., Pittsburgh, 4 story and basement, brick, tile and steel, South Jackson St. $150,000.

Pa., Lancaster—Dormitories—Franklin and Marshall College, having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., two 2½ story and basement, 34 x 118 ft., rein.-con., brick, plain foundation, College Ave. and Harrisburg Pipe.

Pa., Washington—Church—First Lutheran Congregation, having plans prepared by J. C. Fulton & Son, Uniontown, 2 story and basement, 112 x 135 ft., North Franklin and Walnut Sts. $150,000.

Pa., York—Hotel—Chamber Commerce, c/o C. R. Rice, soon takes bids brick, steel and stone, plain foundation. $750,000. W. L. Stoddart, 50 East 41st St., New York City, engr. and archt. Noted May 29.

W. Va., Beckley — Fire House — See "Streets and Roads."

W. Va., Elkins — College — Davis and Elkins College having plans prepared by W. F. Martens, Boyd Bldg., Charleston, 2 story and basement, 56 x 125 ft., native stone and brick. $150,000.

W. Va., Morgantown—City Hall—Voted $150,000 bonds for City Hall. C. McDowell, Morgantown, archt. Noted June 12.

Buildings—Commercial (Continued)

Fla., Miami—Theatre—Paramount Enterprises Inc., having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill., 10 story, 100 x 165 ft., Flagler and Southeast 2nd Ave.

Fla., Orlando — Hotel — N. G. Straton plans 3 story, 60 room, Orange and Amelia Sts. $150,000.

Fla., Orlando — Theatre — Orlando Enterprises, Inc., plans theatre, Orange and Washington Sts. $200,000. E. J. Sparks, pres. R. A. Benjamine, Jacksonville, engr.

Fla., Stuart—Hotel—Pfeiffer & O'Reilly, archts., Miami, preparing plans 6 story, Osceola and East End Aves. $200,000. Owner's name withheld.

La., Monroe—Church—Grace Episcopal Church, had plans prepared by Jones, Roessle, Olschner & Weiner, Maison Blanche Bldg., New Orleans, new church. $200,000.

Ky., Louisville—Apartment—A. G. Tafel, archt., Coleman Bldg., takes bids about July 31, 3 story and basement, Eastern Parkway, for A. Bass, 201 West Jefferson St. $150,000. Noted July 17.

Ky., Louisville — Apartment — A. Pass, c/o A. G. Tafel, archt., Coleman Bldg., having plans prepared 3 story and basement, Eastern Parkway. $150,000.

Ky., Louisville—Orphanage—Orphanage of Good Shepherd, Frankfort Ave., having plans prepared by A. Loomis, 51 Todd Bldg., 2 story and basement, 75 x 107 ft., brick and steel concrete foundation, Frankfort Ave. $150,000.

Ky., Louisville — Seminary — Southern Baptist Theological Seminary, 5th St. and Bway., takes bids about July 21, 3 story and basement, Norton all Seminary, at the Beeches, near here. Noted Dec. 20. J. G. Rogers, 367 Lexington Ave., New York City, archt.

O., Akron—Exchange—Ohio Bell Telephone Co., Front St., plans 3 story and basement, 54x74 ft, addition, 76-82 south High St.

O., Canton—Hospital—Bd. Comrs. Stark Co. having plans prepared by Thayer & Johnson, 5716 Euclid Ave., Cleveland, 1 story and basement, brick, steel and concrete. $150,000.

O., Cincinnati—Apartment and Garage—Melish Realty Co., 303 Provident Bank Bldg., plans 3 story and basement, brick, plain foundation, Melish Ave. $400,000. O. Schwartz, 303 Provident Bank Bldg., archt.

O., Cleveland—Church and School—St. Andrews Roman Catholic Church, 5103 Superior Ave., having plans prepared by F. C. Warner, Hippodrome Annex Bldg., 2 story, 100 x 150 ft., brick, steel and concrete, Superior Ave. $150,000. S. Gmuca, pastor.

O., Cleveland — Commercial, Apartment and Theatre—Cedar-Lee Realty Co., c/o M. B. Vilas, secy. and treas., Fidelity Mortgage Bldg., plans 100 x 100 ft., brick and steel, Cedar and Lee Rds. $150,000. Private plans.

O., Cleveland—Dance Hall—G. W. Hausheer Co., Marion Bldg., had plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 1 story and balcony, 144 x 228 ft., brick, steel and concrete, 9810 Euclid Ave. $175,000.

O., Cleveland—Hotel, Garage and Office—Ninth Chester Co., c/o S. H. Kleinman, National City Bldg., plans 6 story and basement, 170 x 250 ft., brick, steel and concrete, East 90th St. and Euclid Ave. $1,000,000. Engineer and architect not selected.

O., Cleveland—Fire Station—City having sketches made by H. Kregelins, City Hall, 2 story and basement, brick, Central Viaduct. $150,000. E. D. Barry, City Hall, dir. Public Safety.

O., Cleveland — School — Immaculate Heart of Blessed Virgin Mary Roman Catholic Church, 6700 Lansing Ave., having preliminary plans prepared by F. C. Warner, Hippodrome Annex Bldg., 2 story and basement, brick, steel and concrete, Lansing Ave. $200,000. M. J. Orzechowski, pastor.

O., Cleveland—Police Station—Having sketches made by H. Kregelins, City Hall, 5 story and basement, brick and steel, Payne Ave. $750,000.

O., Columbus—Police Station—J. P. McCune, dir. Pub. Safety plans 7 story, 100 x 135 ft., brick and concrete, Gay and Water Sts. $500,000.

O., East Cleveland (Cleveland P. O.)—Church — St. Philomene Roman Catholic Church, 13824 Euclid Ave., Cleveland, had plans prepared by F. C. Warner, Hippodrome Annex Bldg., Cleveland, 1 story and basement, 62 x 178 ft., brick, steel and stone, Euclid Ave., here. $250,000.

Ind., Gary — Church and Office — First Methodist Episcopal Church, having revised plans prepared by Lowe & Bollenbacher, 108 South La Salle St., Chicago, Ill., and takes bids about Sept. 1, 1 story and basement, 120 x 125 ft., and 4 story and basement, 125 x 197 ft., rein.-con brick and steel, Washington St. and Sixth Ave., $650,000.

Ind., Hammond—Club House—Woodmar Golf Club, having plans prepared by Marr Green Co., 400 North Michigan Ave., Chicago, Ill., 2 story and basement, rein.-con., and brick clubhouse, and 18 hole golf course. $250,000.

Mich., Detroit — Warehouse — Burnham, Stoepel & Co., 101 East Larned St., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 9 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Jefferson and Beaubien Sts.

Mich., Marquette—Jail—Marquette Co., F. G. Jenks, clk., having plans prepared by De Hubert, Menominee, 3 story and basement, 40 x 100 ft., concrete and stone, plain foundation. $150,000.

Ill., Chicago—Club—Union League Club, 69 West Jackson Blvd., having plans prepared by Mundie & Jensen, 39 South La Salle St., and takes bids about Aug. 10, 20 story and basement, brick and steel, Jackson Blvd. $1,500,000.

Ill., Chicago—Garage—H. Rubloff, 10 South LaSalle St., having plans prepared by A. S. Alschuler, 26 East Jackson Blvd., and takes bids about Aug 15, 11 story and basement, brick and steel, 353 North State St.

Ill., Chicago — Hospital and Hotel — G. Waters, c/o L. Guenzel, archt., 879 North State St., had plans prepared (1st unit) 24 story and basement, brick, steel and terra cotta. $5,000,000. Total cost $10,000,000.

Ill., Chicago—Office—E. Elger & Bros., 1249 South Wabash Ave., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., and takes bids about Aug. 1, 7 story and basement, 50 x 160 ft., brick and steel, plain foundation, 13th St. and Wabash Ave.

Ill., Chicago—Store and Office—Utilities Light & Power Corp., 327 South LaSalle St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., and takes bids about Sept. 15, 4 story and basement, 90 x 200 ft., brick and steel, LaSalle and Van Buren Sts. $800,000.

Ill., Chicago—Store, Office, Theatre—M. & H. Theatre Corp., 5853 West Division St., having plans prepared and takes bids about Aug. 1, 2 story and basement, 125 x 156 ft., brick and steel, Mansfield and Division Sts. $1,000,000.

Ill., Chicago — Store, Office and Apartment — H. P. Sturgess, archt., 79 West Monroe St., making plans and takes bids about Aug. 10, 3 story and basement, 115 x 275 ft., brick and steel, plain foundation, 71st St. and Jeffery Ave. $400,000. Owner's name withheld.

Ill., Chicago—Temple—Knights of Pythias, 3300 South State St., having plans prepared by W. T. Bailey, 3621 South State St., 10 story and basement, 122 x 132 ft., brick and steel, State St. $1,000,000.

Ill., Springfield—Store and Office—Meyer Bros. Clothing Co., Springfield, having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., Chicago, and takes bids about Aug. 1, 10 story and basement, 80 x 160 ft., brick and steel, 5th and Washington Sts. $700,000.

Wis., Milwaukee—Office—English Woolen Mills Co., 204 3rd St., having preliminary plans prepared by A. S. Alschuler, 28 East Jackson Blvd., Chicago, Ill., 8 or 10 story, 125 x 148 ft., brick and concrete, plain foundation, 3rd St. $500,000. Noted June 26.

Tex., Beeville—Hotel—Beeville Hotel Co. plans Hotel Kohler, 3 story and basement, brick and rein.-con. $150,000. Engineer and architect announced soon.

Tex., Corpus Christi—High School—Election soon $150,000 bonds high school, brick and rein.-con. Address Bd. Educ.

Tex., Dallas — Store — Fakes Furniture Co., 1217-19 Elm St., having plans prepared by C. D. Hill & Co., archts., Central Bank Bldg., 8 story and basement, 62½ x 200 ft., brick, concrete and steel. $750,000.

Tex., Dallas—Store—A. Harris & Co., Akard and Main Sts., takes bids after July 15, 7 story, brick, concrete, steel and terra cotta addition, Elm and Akard Sts. $150,000. Lang & Witchell, Amer. Exch. Natl. Bank Bldg., archts.

Tex., Plainview — School — Election soon $200,000 bonds school. Bd. Educ. purchased site.

Tex., San Antonio — Apartment—T. S. Masterson, plans probably 6 story, stone, brick or tile and stucco, Pecan, Navarro and Martin Sts. $200,000. Engineer and architect not announced.

Okla., Chandler—Court House—Lincoln Co. election soon $175,000 bonds for 3 story and basement court house, Manvel St. Engineer and architect not selected.

BIDS DESIRED

Vt., Bennington—Armory—State Building Comn., taking bids 2 story, brick and stone, plain foundation. $150,000. F. L. Austin, 240 College St., Burlington, archt.

Mass., Brookline (Boston P. O.) Nurses Home—Peter Bent Brigham Hospital, Huntington and Brookline Aves., taking bids 5 story and basement, 40 x 95 ft., rein.-con. and brick addition. $175,000. Codman & Despradella, 27 Kilby St., Boston, archts. Densmore, Le Clair & Robbins, Park Sq. Bldg., Boston, engrs.

Mass., Pittsfield—Hotel—Hotel Wendall, South St., will build 7 story, 50x75 ft., brick, stone, and steel addition, plain foundation, $150,000. Work will be done by separate contracts, under supervision of H. L. Stevens, archt., 552 5th Ave., New York City. Noted Feb. 14.

Conn., West Haven (New Haven P. O.)—School Bd., taking bids 2 story and basement, 100 x 200 ft., brick, plain foundation, Richards St. $250,000. R. W. Foote, 185 Church St., New Haven, archt. Noted May 29.

N. Y., New York—Service—July 24, by Park Bd., Municipal Bldg., new School Service Building, approaches and passages to connect same with present American Museum of Natural History, Manhattan Sq. F. D. Gallatin, pres.

Pa., Bridgeville—Grade and High School—Bd. Educ., and J. H. Phillips, archt., Box 997, Pittsburgh, taking bids 2 story and basement, 147 x 147 ft., brick and tile. $154,000.

Pa., Pittsburgh—Apartment—G. E. Evans, 411 Union Trust Bldg., will build 3 story and basement, 145 x 150 ft., U shaped, brick, tile and steel, Ellsworth Ave. Work will be done by separate contracts. F. H. Smart, 3418 Delaware Ave., N. S., archt. Noted Jan. 31.

Pa., Westmont (Johnstown, P. O.)—High School—Bd. Educ. taking bids 2 story and basement, brick, hollow tile and steel. $150,000. J. E. Adams, Nemo Bldg., Johnstown, archt.

W. Va., Beckley — High School — Bd. Educ. taking bids 2 story and basement, 110 x 200 ft., brick or native stone and steel. $250,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Jan. 24.

W. Va., Huntington—Hotel—Pritchard Hotel Co., Robson-Pritchard Bldg., taking bids 13 story and basement, 100 x 120 ft., rein.-con., brick and steel. $1,000,000. H. Z. Dietz, State Savings & Trust Bldg., Indianapolis, Ind., archt. Noted May 15.

La., Baton Rouge—Church—Spencer & Phillips, archts., Goodwyn Institute, Memphis, Tenn., taking bids brick, steel and stone, for First Methodist Congregation. $150,000.

La., New Orleans—Office—July 24, by Guarantee Development Co., 836 Union St., 18 story, concrete and brick, Baronne and Union Sts., for Union Indemnity Co. $1,250,000 to $1,500,000. Favrot & Livaudais, archts. and M. Goldstein, associate archt., Hibernia Bank Bldg. This corrects report in July 3 issue under "Hotel." Noted May 1.

Ky., Murray—School—July 24, by W. E. Gore, archt. Realty Bldg., Louisville, story and basement, 90 x 120 ft., brick, on campus, here, for Murray State Normal School. $150,000.

O., Cleveland—Commercial, Apartment and Garage—Syndicate, c/o J. Laronge, Union Trust Bldg., taking bids 1 and 5 story 75 x 75 ft. and 75 x 200 ft., brick, steel and concrete, 3330 Euclid Ave. $300,000. W. S. Longee, Marshall Bldg., archt.

O., Portsmouth—High School—July 25, by Bd. Educ., 2 story and basement, brick and concrete. $200,000. De Voss & Donaldson, Portsmouth, archts.

Ind., Bloomington—Memorial—July 21, by J. W. Cravens, secy. Bd. of Trustees Indiana University, 3 story and basement, 41 x 285 ft., rein.-con. and brick, $350,000. Lowe & Bollenbacher, 108 South La Salle St., Chicago, Ill., archt.

Ind., Evansville—July 21, by Y. W. C. A., 4 story and basement, 120 x 140 ft., rein.-con., brick and steel, North 2nd St. $300,000. C. L. Troutman, Amer. Trust Bldg., archt. Noted Dec. 6, 1923.

Ind., Ft. Wayne—School—July 21 by School Commissioners, 2 story and basement, rein.-con., brick and steel, New Haven St. $160,000. Pohlmeyer & Pohlmeyer, Central Bldg., archts.

Ind., Mishawaka—Theatre, Store and Office—July 26, by Levine & Rupert, archts., 822 West 70th St., Chicago, Ill., 2 story and basement, 73 x 140 ft., rein.-con., brick and steel, North Main St., here, for Mishawaka Theatre Corp., Temple Theatre Bldg., $275,000. S. Klein, 232 East Erie St., Chicago, Ill., engr.

Ind., South Bend—Lodge—July 28, by Eagles Lodge, 5 story and basement, rein.-con., brick and steel $300,000. Nicol,

Buildings—Commercial (Continued)

Scholes & Hoffman, Rose Bldg., Lafayette, archts. Noted Nov. 29, 1923.

Mich., Detroit—School—July 30, by Bd. Educ., 1354 Bway. Ave., 3 story and part basement, 202 x 337 ft., rein.-con., brick and steel, plain foundation, Fairview and Charlevoix Aves. $700,000. Verner, Wilhelm & Molby, 751 Book Bldg., archts.

Ill., Chicago — Apartment — H. Zisook, 5501 Everett Ave., taking bids 3 story and basement, 60 x 150 ft., brick and steel, plain foundation, 54th and Harper Aves. $150,000. T. R. Bishop, 35 South Dearborn St., archt.

Ill., Chicago—Club—Aug. 1, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 8 story and basement, 100 x 200 ft., brick and terra cotta, Dearborn St. and Plymouth Court, here, for Standard Club, 2400 South Michigan Ave.

Ill., Chicago—Hotel—July 24, by L. G. Hallberg & Co., archts., 116 South Michigan Ave., 8 story, 80 x 206 ft., rein.-con. and brick, 2322 Oommonwealth Ave., for N. Hallberg, c/o architect. $750,000. Noted July 10.

Wis., Madison—Church—July 26, by Grace Episcopal Church, V. Mason, chn., First Central Bldg., 2 story, 60 x 210 ft., rein.-con., brick and stone, plain foundation, Carroll St. $150,000. Otis & Fuller, 6 North Michigan Ave., Chicago, Ill., archts.

Wis., Madison—Hospital—St. Marys Hospital Assn., South Brooks St., taking bids 2 and 4 story, 60 x 150 ft., rein.-con., brick and steel addition, plain foundation. $250,000. A. B. Groves, 314 4th St., St. Louis, Mo., archt. Noted May 1.

Wis., Milwaukee—Business—M. Tullgren & Sons, archts., 425 East Water St., taking bids on revised plans, 3 story and basement, 62 x 120 ft., brick and concrete, plain foundation, North Ave., for Persion Furniture Co., 385 3rd St., $150,000. Noted Apr. 10.

Wis., Wausau — Hotel — Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., taking bids 8 story and basement, 78 x 210 ft., brick and concrete, plain foundation, Scott St., here, for Hotel Wausau Co., W. Schroeder, pres., 86 Michigan St., Milwaukee. $800,000. Noted May 1.

S. D., Huron—Office—Standard Oil Co., Huron, taking bids 3 story, 40 x 100 ft., rein.-con. and brick. Private plans.

Tex., Austin—Hotel—J. Osborne, Avenue Hotel, taking bids 2 story and basement, 92 x 126 ft., concrete and brick, 6th and Guadalupe Sts. $150,000. A. Fraser, 128½ Main St., Ardmore, Okla., archt.

Tex., San Antonio — Auditorium — City Comrs. taking bids 2 story and basement, brick, cut and rubble stone, Romana site. $700,000. M. L. Diver, Calcasieu Bldg., engr. Willis & Jackson, Chandler Bldg., A. B. and R. M. Ayers, Bedell Bldg., archts.

Tex., Waco—Church—Austin Ave. Methodist Church, C. H. Booth, pastor, taking bids, 2 and 3 story and basement, brick and concrete. $200,000. R. H. Hunt & Co., Southwestern Life Bldg., Dallas, archts.

BIDS RECEIVED

Mass., Winthrop — High School — Bd. Selectmen, Junior High School, 2 story and basement, 100 x 160 ft., rein.-con. and brick, Herman St., from J. P. Keating, 80 Boylston St., Boston, $235,267; heating system, from General Constr. & Repair Co., 304 Main St., Cambridge, $53,637. Noted June 26.

Pa., Phila.—School—Bd. Educ., July 3, 3 story and basement, 110 x 188 ft., rein.-con. and brick, 19th and Wharton Sts., general contract, from M. Melody & Son Co., 1322 Race St., $410,840, heating, from Thompson Bros., 50 Ballinwood St., $49,861; 3 story and basement, with 45 x 107 ft., and 34 x 68 ft. wings, rein.-con. and brick addition to Merton McMichael School, 35th and Fairmount Sts., general contract, from McCloskey Co., 1620 Thompson St., $181,726, heating, from N. Connolly, 1404 North 18th St., $42,500.

Ky., Louisville—Hospital—Bd. Tuberculosis Hospital, Board of Trade Bldg., 3 story and basement, 18th St., from Struck Constr. Co., Clay and Franklin Sts., for city and Jefferson Co. $525,000. Noted July 3.

O., Kent—School—Kent State Normal School, 1 story and basement, 106 x 143 ft., brick, steel and concrete, from J. I. Barnes, South Bend, Ind., $135,500.

Calif., Los Angeles — Club — Schultze & Weaver, archts., Pacific Mutual Bldg., 12 story and basement, 100 x 150 ft., rein.-con. and brick, 6th and Figueroa Sts., from Lange & Bergstrom, Washington Bldg., for Jonathan Club c/o architects. $2,380,000. Noted June 5.

Calif., Los Angeles—Hall—Los Angeles Co., furnishing and setting granite for Hall of Justice, from Raymond Granite Co., 1350 Palmetto St. $1,029,680. Noted April 17.

BRIDGES—IDAHO

Bids were opened by Dept. Pub. Works, Bureau of Highways, Boise, **May 12, for constructing three bridges in Petlach Highway Dist., Latah Co., North and South, Federal** Aid Project 75-C, (A) F. W. Straw, Lewiston, (awarded contract); (B) Sam Boudrye, Lewiston; (C) (Streel Bridge Co., Spokane, Wash.; (D) C. A. Power, Spokane, Wash., $35,000. The unit bids of the lowest three bidders are as follows:

20 x 22 ft. concrete bridge (deep creek)			
10 cu.yd. excavation, solid rock	$3.00	$2.00	$10.00
10 cu.yd. excavation, loose rock	2.50	2.00	8.00
78 cu.yd. excavation, earth	2.00	2.00	5.00
6.5 cu.yd. screened gravel surfacing	3.00	5.00	6.00
480 lin.ft. wood piling (including waterproofing)	1.50	1.00	1.00
90.26 cu.yd. cement concrete, class "A"	25.00	28.00	25.00
9,765 lb. metal reinforcement in place	.06	.07	.06
Subtotal	$3,792	$3,919	$3,931
10 per cent engineering and contingencies	379	391	393
Total	$4,172	$4,311	$4,324
84 x 20 ft. concrete trestle (W. I. & N. R. R.)			
10 cu.yd. excavation, solid rock	$3.00	$2.00	10.00
10 cu.yd. excavation, loose rock	2.50	2.00	8.00
83 cu.yd. excavation, earth	2.00	2.00	5.00
22.4 cu.yd. screened gravel surfacing	3.00	5.00	5.00
139.4 cu.yd. cement concrete, class "A"	33.00	29.00	29.00
24,500 lb. metal reinforcement in place	.06	.07	.06
Subtotal	$6,358	$6,075	$6,219
10 per cent engineering and contingencies	635	607	621
Total	$6,994	$6,683	$6,841
90 x 20 ft. steel bridge, Palouse River			
10 cu.yd. excavation, solid rock	$3.00	$5.00	$10.00
10 cu.yd. excavation, loose rock	2.50	3.00	8.00
623 cu.yd. excavation, earth	2.00	3.00	5.00
259 cu.yd. cement concrete, class "A"	23.00	26.00	25.00
17,560 lb. reinforcement in substructure in place	.06	.07	.06
Superstructure (lump sum)	8,300.00	7,400.00	8,000.00
Subtotal	$16,611	$17,312	$18,823
10 per cent engineering and contingencies	1,661	1,731	1,882
Total	$18,272	$19,043	$20,705
Extended grand totals	$29,439	$30,038	$31,872

PAVING—CAMDEN, N. J.

Bids were opened by city, June 9, for improving Park Ave., Pensauken Twp., (A) Fish & Rutherford, Inc., Real Estate Trust Bldg., Philadelphia; (B) W. Eisenberg, Camden; (C) R. R. Fernow, Pembroke Rd., Cynwid, Pa.; (D) Union Paving Co., 30th and Lancaster Sts., Philadelphia. The unit bids are as follows:

	A	B	C	D
4,490.3 cu.yd. excavation	$1.38	$1.25	$1.60	$1.49
15,021.5 cu.yd. concrete pavement	2.96	3.19	3.05	3.29
1,408.5 sq.yd. intersection pavement	3.12	3.35	3.05	3.20
4,978.2 lin.ft. combination curb and gutter	1.65	1.80	2.00	1.97
846.6 sq.yd. reinforced concrete gutter	2.60	2.60	2.20	3.31
590.3 lin.ft. concrete curb	1.30	.80	.90	1.28
443.5 lin.ft. curb reset	.40	.50	.50	.75
16 type A drives (lump sum)	45.00	8.25	40.00	31.25
22 type B drives (lump sum)	50.00	13.40	75.00	36.25
5 type C drives (lump sum)	60.00	21.20	100.00	45.00
Cross drain 15 + 89.5	520.00	355.00	150.00	356.25
Cross drain 49 + 66	450.00	430.00	150.00	375.00
Cross drain 67 + 67.5	450.00	430.00	150.00	375.00
157 lin.ft. 24 in. T.C. pipe	500.00	4.10	4.00	3.44
Extended totals	$70,740	$72,497	$73,786	$77,907

HIGHWAY—CALIFORNIA

Bids were opened by State Highway Comn., Sacramento, June 9, for constructing highway in Ventura Co., Div. 7, Route 2, Sect. F & G, (A) J. H. Tillman, Ry. Exch. Bldg., Portland, Ore. (awarded contract); (B) Kelly & Sons, Inc., Los Angeles; (C) C. & G. K. Thompson, Los Angeles. The unit bids are as follows:

	A	B	C
63,100 cu.yd. roadway embankment without classification	$10.40	$0.50	$0.25
17,050 cu.yd. structure excavation without classification	3.00	4.85	4.50
16,250 cu.yd. class "A" portland cement concrete (seawall)	17.40	16.00	18.00
990 cu.yd. class "E" portland cement concrete (culverts)	18.50	25.00	20.00
845 cwt. bar reinforcing steel in place	5.50	7.00	5.00
Extended totals	$382,103	$404,908	$409,025

ROAD WORK—IDAHO

Bids were opened by Dept. Pub. Wks., Bureau Highways, Boise, May 24, for grading and surfacing 3.91 mi. North and South Highway between Bonners Ferry and Port Hill, Boundary Co., (A) Standard Asphalt Paving Co., 517 Lincoln St., Spokane, Wash., (awarded contract); (B) W. L. Geist, St. Maries, (lowest bidder); (C) Morrison-Knudsen Co., Boise, (highest bidder). The unit bids are as follows:

	A	B	C
10,125 cu.yd. excavation, solid rock	1.35	1.45	1.70
13,707 cu.yd. excavation, loose rock	.50	.60	.80
45,815 cu.yd. excavation, earth	.40	.36	.40
73,260 sta.yd. overhaul on excavation	.04	.05	.05
5,352 cu.yd. surfacing, broken stone	3.25	3.25	3.10
30.50 cu.yd concrete, class A	27.00	30.00	30.00
19.62 cu.yd. concrete, class B	27.00	28.00	28.00
3,220 lb. metal reinforcement	.12	.09	.10
46 cu.yd. dry rock wall	7.00	8.00	7.00
30 cu.yd. hand placed rip rap	5.00	2.50	4.00
144 lin.ft. 12 in. GI pipe, haul and place	.75	.50	.75
646 lin.ft. 18 in. GI pipe, haul and place	1.00	.70	1.00
140 lin.ft. 24 in. GI pipe, haul and place	1.50	.90	1.50
18.0 acres clearing	125.00	75.00	75.00
7.94 acres grubbing	200.00	100.00	100.00
1,400 lin.ft. Alt. Type E Guard Rail	.90	.85	.75
Material furnished by State	1,599.28	1,599.28	1,599.28
10% Eng. & Cont.	6,904.55	6,823.64	7,470.89
Extended totals	$75,950	$75,060	$82,180

CONTRACTS AWARDED

Vt., Middlebury—Chateau—Bd. Trustees Middlebury College, 2 and 3 story chateau,

Buildings—Commercial (Continued)

250,000 cu.ft. floor space, to Cummings Constr. Co., Ware, Mass. Archts. est. $150,000.

R. I., Auburn—School—School Comm., 2 story and basement, 12 room, brick, to Bowerman Bros., Auburn, $154,519.

Mass., Boston—Storage—J. T. Connor Co., 44 Stillings St., 2 story and basement, 66 x 180 ft., brick and timber, Pittsburg St., to J. M. and C. J. Buckley, 164 Federal St., Boston. Archts. est. $150,000.

Mass., Brighton (Boston P. O.)—Apartment—York Apartments, Inc., c/o W. L. Minor, archt., 60 Pemberton Sq., Boston, (1st of 8 units), 3 story, 53 x 90 ft., brick and stone, Allston St., here, to York Constr. Co., 60 Pemberton St., Boston. Archts. est. $350,000. Noted June 12.

Mass., Cambridge—Warehouse and Office—Haskell-Adams Co., 5 Commercial St., Boston, 2 story and basement, 110 x 190 ft., Henry St., here, to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $200,000. Noted June 19.

Mass., Needham (Boston P. O.)—Church—Evangelical Congregational Church Society, 1 story and basement, brick and stone, to Dacey & Tibbetts, 60 Reed St., Lexington. Archts. est. $150,000.

Mass., Salem—School—School Comn., 3 story and basement, 68 x 130 ft., rein.-con. and brick addition to Phillips School, plain foundation, Essex St. and Washington Sq., to Pitman & Brown, Washington St., $172,134. Noted Jan. 3.

Mass., Worcester—Storage and Garage—Worcester Parking Co., 597 Main St., 3 or 4 story and basement, 138 x 185 ft., and 40 x 40 ft., rein.-con. and steel, to L. A. Scott & Son, Grand Central Terminal, New York City. Archts. est. $1,000,000.

Conn., Danbury—Bank—Danbury Natl. Bank, 2 story and basement, 70 x 85 ft., rein.-con., limestone, Main St. and Chapel Pl., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $200,000. Noted June 12.

Conn., Manchester—Theatre—J. F. Sullivan, 10 Oak St., 3 story and basement, 60 x 110 ft., brick, to Hayes & Gorman, Manchester. Archts. est. $160,000 to $165,000.

Conn., Manchester—Theatre, Store and Arcade—S. Campner, and D. Pouzzner, 129 Church St., New Haven, 2 story and basement, 75 x 110 x 195 ft., brick, plain foundation, Main and Bissell Sts., here, to S. C. Poriss, 54 Church St., Hartford. Archts. est. $200,000. Noted June 19.

Conn., Norwalk — High School — School Bd., 2 story and basement, 95 x 125 ft., rein.-con. and brick, Main St., to W. Martin & Son, 164 State St., Bridgeport, $115,308. Noted June 19.

N. Y., Auburndale (Flushing P. O.)—School—Bd. Educ., 500 Park Ave., New York City, P. S. 130, 42nd Ave. from Cross sland Blvd. to 201st St., here, to Oscawanna Building Co., 110 East 42nd St., New York City, $427,700. Noted June 26.

N. Y., St. George—School—Bd. Educ., 500 Park Ave., New York City, P. S. 39, Sand Lane from McFarland to Major Aves., South Beach, Richmond Boro., to Meads & Co., 217 West 14th St., New York City, $444,000. Noted June 26.

Pa., Alverton—High School—Bd. Educ. of East Huntington Twp., general contract 2 story and basement, 98 x 152 ft., brick, tile and steel, to J. Truxall, Greensburg. Archts. est. $150,000.

Pa., Ardmore — Church — St. Colmans Church, c/o D. L. McGinley, pastor, 1 story and basement, 55 x 181 ft., rein.-con., steel and stone, to M. Melody & Son Co., 1322 Race St., Phila. Archts. est. $400,000.

Pa., Pittsburgh—Hospital—Homeopathic Hospital, general contract 3 story and basement, brick, concrete and steel addition, to H. L. Ley Constr. Co., Westinghouse Bldg. Archts. est. $150,000.

Pa., Pittsburgh—Store and Warehouse—Pittsburgh News Co., 3rd Ave. and Ferry St., general contract, 5 story and basement, 20 x 108 ft., 3rd Ave., to H. Miller & Sons Co., 2615 5th Ave. Engrs. est. $150,000.

Pa., Pocono Manor—Inn—W. Smedley, archt., St. Girard Bldg., Phila., 7 story and basement, 48 x 137 ft. addition, here, to Turner Constr. Co., 1713 Sansom St., Phila., for Pocono Manor Inn Co. Archts. est. $200,000. Noted June 19.

Pa., Pricedale—High School—Bd. Educ. Rostram Twp., general contract 2 story and basement, 105 x 148 ft., brick and steel, to C. Shimp, Martins Ferry, O. Archts. est. $150,000.

Pa., St. Marys — Theatre, etc. — Hall, Kaul & Hyde, general contract 3 story and basement, theatre, store and office, to Hyde Murphy Co., Ridgeway. Archts. est. $150,000.

Md., Baltimore—Bank and Office—Old Town Natl. Bank, Gay and Exeter Sts., 6 story, 81 x 81 ft., brick and steel, plain foundation, Gay and Fallsway Sts., to Carozza-Rowe Co., 624 North Gilmor St., $425,000. Archts. est. $375,000. Noted July 3.

Md., Baltimore—Show Room, Office, etc.—R. C. Kolb, 2523 Pennsylvania Ave., 2 story, 48 x 211 ft., brick and steel, plain foundation, to J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $150,000. Archts. est. $165,000.

Md., Towson — Home — Kelso Home, Charles St. and Mt. Vernon Pl., 2 story and attic, 45 x 122 ft., brick, plain foundation, Chesapeake Ave., to T. Hicks & Son, 106 West Madison St., Baltimore, $150,000. Noted June 5.

W. Va., Buckhannon—High School—Bd. Educ., general contract 2 story and basement, 55 x 100 ft., brick and tile, Jackson Park, to Westfall & Westfall, Buckhannon. Archts. est. $150,000.

W. Va., Huntington—Garage—Motor Car & Truck Co., general contract 3 story and basement, 105 x 200 ft., brick and steel, to E. Waugh, 926 11th Ave. Archts. est. $150,000. Noted May 1.

Fla., Safety Harbor—Hotel and Store—W. E. Sinclair, and V. H. Tucker, 3 story, 100 x 150 ft., steel, to Emerson Constr. Co., Safety Harbor. Archts. est. $150,000.

La., New Orleans — Hotel — Guarantee Development Co., Roosevelt Hotel, 17 story, concrete and steel, one wing 20 x 129 ft. and other 56 x 195 ft., Baronne St. between Canal and Common Sts., to C. A. D. Bayley & Co., Inc., 701 Interstate Bank Bldg. Archts. est. approximately $2,250,000.

O., Canton—Exchange—Ohio Bell Telephone Co., C. Cooper, pres., 4300 Euclid Ave., Cleveland, 3 story and basement, 66 x 164 ft., brick and rein.-con., here, to Crowell & Little Constr. Co., 3751 Prospect Ave. Archts. est. $300,000. Noted June 5.

O., Cleveland — Warehouse — Malbin Realty Co., c/o S. Malbin, 2741 East 34th St., 6 story and basement, 80 x 100 ft., brick and rein.-con., Croton Ave., to P. Kirschner & Co., 2914 East 75th St. Archts. est. $200,000.

O., Gates Mills—Garage—See "Unclassified."

O., Oberlin—Hospital—Oberlin College 3 story and basement, 43 x 102 ft. with 43 x 48 ft. wing, brick and steel, to Van Blarcom Co., Natl. City Bldg., Cleveland. Archts. est. $200,000. June 12.

O., Portsmouth—Store—Anderson Store, 6 story and basement, 30 x 75 ft., also 2 additional stories on present store, brick and steel, Chillicothe St., to Chappelear & Gardner, Portsmouth, about $275,000.

Ind., Indianapolis — Apartment — E. G. Spink Co., Medical Bldg., will build 8 story and basement, rein.-con., brick and steel, 13th and East Pennsylvania Aves., by day labor. $500,000. W. K. Eldridge, Medical Arts Bldg., archts.

Ind., Indianapolis — Business — Banner Furniture Co., 7 story and basement, rein-con., brick and steel, South Meriden St., to W. P. Jungelaus Co., 825 Massachusetts Ave. Archts. est. $400,000. Noted May 8.

Mich., Detroit—School—Bd. Educ., 1354 Bway., Wilkins elementary school, 2 story and part basement, 82 x 171 ft., and 31 x 64 ft. wing, rein.-con., brick and steel, plain foundation, Hamburg Ave., to W. H. Mueller, 1923 Ford Bldg., $189,240. Noted July 3.

Ill., Chicago—Hospital—St. Anthony De Padua Hospital, West 19th St. and Marshall Blvd., 2 story, 50 x 114 ft. top addition, 19th St. and Marshall Blvd., to Central West Constr. Co., 5252 Bway.

Ill., Chicago—Hotel—C. L. Anderson, 924 Hyde Park Blvd., 3 story and basement, 100 x 135 ft., 51st St. and Dorchester Ave., to C. Newgreen Co., 7730 Constance Ave. Archts. est. $300,000.

Ill., Chicago—Office—Jewelers Assn. of Chicago, 5 South Wabash Ave., general contract 23 story and basement, 140 x 160 ft., steel, caisson foundation, Wabash Ave. and South Water St., to Starrett Bros., 160 North La Salle St. Archts. est. $5,000,000.

Ill., Chicago—Store, Office and Apartment — C. W. Ferguson, Howard and Paulina Aves., 2 story and basement, Paulina and Howard Aves., to R. Sollitt & Son, 5 North La Salle St. Archts. est. $150,000.

Ill., Chicago—Theatre and Office—Balaban & Katz, 175 North State St., masonry contract for 8 story and basement, brick and steel, Bway. and Lawrence Aves., to Paschen Bros., 111 West Washington St. Archts. est. $2,000,000. Noted June 14, 1923.

Ill., Chicago — Theatre and office — Sawyer Amusement Co., 111 West Washington St., masonry contracts for 3 story and basement, 128 x 250 ft., rein.-con. and brick, Sawyer and Milwaukee Aves., to Neslo Wagstad Co., 1743 North Crawford Ave. Archts. est. $1,800,000.

Ill., Oak Park—School—Bd. Educ., 2 story, 75 x 105 ft., brick, rein.-con. and stone, to E. L. Archibald, 111 West Washington St., Chicago. Archts. est. $150,000.

Ill., Paxton—Station, etc.—Illinois Central R.R., 135 East 11th Pl., Chicago, passenger station, overhead bridge, and 5 short viaducts, here, to W. J. Ziterell Co., Webster City, Ia. Archts. est. $200,000.

Ill., Riverside — Home — British Old Peoples Home, 2 story and basement, 48 x 92 ft., 29th and McCormick Sts., to W. Adams Co., 209 South LaSalle St., Chicago, approximately $150,000.

Ill., Waukegan—Store—Schwartz Furniture Co., 28 North Genessee St., 4 story and basement, 89 x 120 ft., rein.-con., brick and terra cotta, Genessee St., to R. E. Maki, 627 McAllister St. Archts. est. $175,000.

Wis., Lake Buelah—Novitiate—Fathers of Devine Word, Techny, Ill., will build 3 story, 52 x 120 ft., brick and concrete, plain foundation, here, by day labor. $150,000. Noted May 29.

Wis., Madison—School—Bd. Educ., W. H. Pickford, clk., 22 West Dayton St., 4 story rein.-con., brick and steel addition to Emerson School, plain foundation, to A. D. and J. V. Frederickson, 702 East Main St. Archts. est. $175,000. Noted May 8.

Wis., Milwaukee—Apartment—Wisconsin Bond & Mortgage Co., 490 Bway., 3 story and basement, 80 x 100 ft., brick and concrete, plain foundation, Juneau Ave., to W. W. Oeflein, 86 Michigan Ave. Archts. est. $150,000.

Wis., Milwaukee—Office—Standard Oil Co., 68 Wisconsin St., 3 story and basement, 85 x 90 ft., rein.-con., steel and brick, plain foundation, 4th St., to Raulf Co., 428 Grand Ave. Archts. est. $150,000.

Wis., Milwaukee—Office—R. B. Williamson, archt., 405 Bway., 10 story and basement, 50 x 150 ft., brick and concrete, plain foundation, 2nd St., to Reisinger & Co., 464 Oakland Ave. Archts. est. $300,000. Owner's name withheld. Noted June 26.

Ia., Indianola—School—Bd. Educ., C. D. Proudfoot, secy., general contract 2 story and basement, rein.-con., tile, brick and stone, to Grahn & Bathurst, 126 South 9th St., Minneapolis, Minn., $126,356. Noted July 10.

Minn., Duluth—Hotel—Duluth Hotel Co., 1502 Alworth Bldg., general contract for superstructure 13 story, 130 x 140 ft., rein.-con. and brick, Superior St. and 3rd Ave. E., to Jacobson Bros., 409 Columbia Bldg., $850,000. Total cost $1,400,000. Noted May 8.

Minn., Minneapolis — Skating Rink — Minneapolis Artificial Ice Rink, Inc., 2900 Dupont Ave. S., will build 1 story, 50 x 181 x 270 ft., cocnrete, steel, brick and tile, Dupont Ave. and 29th St. S., by day labor. $185,000. A. M. Lindell, 319 Meyers Arcade, archt.

Kan., Winfield — Dormitory, etc. — St. Johns Lutheran College, 2 story and basement, rein.-con. and brick dormitory, to W. H. Underhill, 235 North Waco St., Wichita; boiler house, to Cork & Ferrier, Manhattan. Archts. est. $200,000. Noted Jan. 31.

Wyo., Casper—Jail—Garbutt, Weidner & Sweeney, archts., Cons. Roy Bldg., county jail and service building, South David St., to Larsen & Jorgensen, Midwest and David Sts., $170,000.

Mo., Kirksville — Library — Northeast Missouri Teachers College, 3 story, 90 x 116 ft., rein.-con., brick and stone, to T. W. Hackett, 1023 Church St., St. Joseph. Archts. est. $150,000. Noted May 29.

Mo., St. Louis—School—Bd. Educ., 911 Locust St., general contract 2 story and basement, rein.-con., brick and stone, to Pelligren Constr. & Investment Co., 816 Pine St., $170,857; heating, etc., to Peters-Eichler, 1516 Pine St., $32,142. Noted July 10.

Ark., El Dorado — High School — Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, to Brashear Constr. Co., Presbyterian Bldg., Texarkana, $262,000. Noted Mar. 6.

Colo., Denver — Bank and Office — Colorado Natl. Bank, Colorado Natl. Bank Bldg., 4 story and basement, 75 x 125 ft., Champa and 17th Sts., carpentry, painting, plastering, etc., to A. Simpson, Jr., Co., Natl. Bank Bldg., $175,000. Noted May 8.

Wash., Tacoma—School—School Dist. 10, James P. Stewart Intermediate High School, 2 story, rein.-con. and brick, plain foundation, Pacific Ave. and South 50th St., to J. Biehn & Co., 202 Bway., $268,573. Noted May 29.

Calif., Pasadena — Church and Auditorium—First Baptist Church, 65 North Morengo St. (1st unit), brick, concrete and tile, Holly St., to W. C. Crowell, Security Bldg. $325,000.

Federal Government Work

PROPOSED WORK

W. Va., Huntington—Steel Boats—U. S. Engineer, War Dept., Wash., D. C., rejected bids furnishing 2 steel hull maneuver boats, for Ohio River Dams, here. Noted July 10.

Neb., Omaha—Bank—Treas. Dept. c/o W. J. Bailey, Federal Reserve Bank, Kansas City, Mo., having preliminary plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., 3 story and basement, 66 x 132 ft., brick, steel and stone, 17th and Dodge Sts. $250,000.

Calif., Tiburon—Fender System—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon opens bids removing present fender system and installing new fender system, at Naval Coal Depot, here.

Calif., Tiburon — Steel Coal Trestle — Spec. 4989, Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids steel coal trestle at Naval Coal Depot, here.

BIDS DESIRED

R. I., Providence—Dredging—Aug. 15, by U. S. Engineer Office, Providence, maintenance dredging in Housatonic River, Conn.; adv. E. N.-R. July 17.

Va., Norfolk Harbor—Riprap—July 31, by U. S. Engineer, Norfolk, 8,150 tons riprap on Craney Island bulkhead; adv. E. N.-R. July 17.

Ala., Mobile—Hopper Dredge—Aug. 1, by U. S. Engineer Office, 15 in. seagoing Hopper Dredge Charleston; adv. E. N.-R. July 10.

Miss., Vicksburg—Levee—Aug. 5, by Third Mississippi River Dist. P. O. Box 404, 6,600,000 cu.yd. levee work; adv. E. N.-R. July 17.

Tenn., Franklin—Post Office—Aug. 12, by Treas. Dept. at office Supervising Architect, Wash., D. C., 1 story post office, here; adv. E. N.-R. July 17.

Ill., Great Lakes—Water Intake—July 30, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extending water intake, here.

Ariz., Whipple Barracks—Roads—Aug. 12, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., grading and resurfacing roads, laying and resetting existing curbs and gutters at U. S. Veterans Hospital 50, here. F. T. Hines, dir.; adv. E. N.-R. July 17.

BIDS RECEIVED

N. Y., Brooklyn—Floor—Spec. 4978—Bureau Yards & Docks, Navy Dept., Wash., D. C., flooring at Naval Hospital, here, from Hachmeister-Lind Chemical Co., Island Ave., McKees Rocks, Pa., (1) $9,946 (2) $1.90 (3) $2.95. Noted May 22.

Wash., Destruction Island — Compass Station—Spec. 4954—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio building, masts and services, at Compass Station, here, from C. F. Martin, 613 Seaboard Bldg., Seattle, 27,969. Noted June 5.

Calif., Point St. George—Radio Station—Spec. 4952—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio station, here, from A. Pope, 4722 15th St., N. W. Wash., D. C., (1) $31,500 (2) $2,000 (3) $2. Noted June 5.

CONTRACTS AWARDED

N. Y., Dunkirk—Breakwater—U. S. Engineer Office, Buffalo, stone superstructure of breakwater in Dunkirk Harbor, to Harbor Impvt. Co., Cleveland, O., $39,300. Noted May 22.

Mo., Lexington—Current Retards—U. S. Engineer Office, War Dept., Wash., D. C., 600 lin.ft. retards, here, to Woods Bros. Constr. Co., Lincoln, Neb., $35,100. Noted June 5.

Arizona—Road—E. S. Wheeler, dist. engr., Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, constructing or improving 23.436 mi. Flagstaff-Angell Natl. Forest Rd., in Coconino Natl. Forest, Conconino Co., to Downer & Mero, Richmond, Calif., $130,760. Engrs. est. $119,297. Noted June 19.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Application

501—Colorado Power Co., Denver, Colo.—Wants license for distribution line from North London Mine to Brownlow distribution line, Park Co., near Alma, in Leadville Natl. Forest.

502—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, Calif.—Wants license for 18.34 mi. Summit-Spaulding and 6.7 mi. Cisco-Fordyce transmission lines in Placer and Nevada Counties.

504—J. Hoyland, Hyder, Alaska—Wants preliminary permit for dam and power house in Fish Creek near here.

Unclassified

PROPOSED WORK

Bulkhead—Boston, Mass.—Charlestown Gas & Electric Co., 12 Salem St., plans pile and timber bulkhead, and fill solid in Mystic River, on Arlington Ave. W. F. Williams, comr.

Dike—Boston, Mass.—The Boston Elevated Railway Co., 108 Massachusetts Ave., plans dike, and fill solid in Mystic River, northwest side Alford St. W. F. Williams, comr.

Athletic Center — Phila., Pa. — Temple University, Broad and Berk Sts., plans improving 11 acres for athletic center, incl. stands, club house, track, tennis courts, etc., Vernon Rd. near Cheltenham Rd. A. W. Barnes, Perry Bldg., archt.

River Wall—Pittsburgh, Pa.—Carnegie Steel Co., Carnegie Bldg., plans 600 ft. river wall at Carrie Furnaces, on Monongahela River. To exceed $25,000.

Sea Wall, etc. — Tampa, Fla. — Hillsborough Co., rejected bids 2½ mi. seawall, 11,750 cu.yd. concrete and 51,000 lin.ft. timber piling. A. B. Pimm, Court House, engr. Noted June 19.

Dock — New Orleans, La. — Bd. Port Comrs., 200 New Court House Bldg., had plans prepared 240 x 785 ft. concrete and steel dock, foot of St. Joseph St. $500,000, also having plans prepared reconstructing Erato St. Dock, $500,000. Private plans. United Fruit Co., lessee.

Transmission Line — Tennessee — Smith Co. Electric Co., Carthage, plans 20 mi. transmission line, 11,000 volts, from Carthage to Red Boiling Springs and Pleasant Shade.

Underpass and Overhead Crossings — Springfield, Tenn.—State Dept. Hys. & Pub. Wks., Nashville, and Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, Ky., plan concrete overhead crossing 2 mi. south of here, and concrete underpass 10 mi. south of here. J. G. Creveling, highway comr.

Transmission Line—Illinois—Central Illinois Public Service Co., 130 South 6th St., Springfield, plans double circuit 3,300 volt electric transmission line from West Frankfort to Johnston City; also electric distribution system in Colp, Williamson Co.

Street Lighting System, Aurora, Ill.—See "Bridges."

Ornamental Street Lighting—Green Bay, Wis.—W. L. Kerr, city clk., had plans prepared and soon takes bids new lighting system, 8 blocks Main St., 75 or more c.i. posts, brackets and lights. $25,000. A. E. Kringel, City Hall, engr.

Grandstand, etc.—Amarillo, Tex.—Tri State Exposition Assn., making plans grandstand, walks, paving, etc. $75,000. J. B. Jones, Amarillo, engr.

Tunnel—Dallas, Tex.—Southern Methodist University plans 4 x 6 ft., concrete tunnel for conduits and heating system from central plant to various buildings under construction. $25,000 plus. H. M. Whaling, business mgr. Engineer not announced.

Elevator—Marshall, Tex.—See "Buildings—Industrial."

BIDS DESIRED

Borings—New York—July 24, by Bd. Transportation, 49 Lafayette St., New York City, borings along McKibbin and Schaefer Sts., Bway., Harrison Pl., Wychoff Ave., Routes 80A, and 80B, in Brooklyn and Queens Boroughs. J. H. Delaney, chn.

Pavilion—Elizabeth, N. J.—July 25, by Union Co. Park Comn., 286 North Broad St., new pavilion within Park Tract in Echo Lake, Westfield-Mountainside. Hollingsworth & Bragdon, 17 West 45th St., New York City, archts.; adv. E. N.-R. July 10.

Street Lighting—Elmhurst, Ill.—July 21, by City, ornamental street lighting system. $48,241; adv. E. N.-R. July 17.

BIDS RECEIVED

Ferry Bridges—Boston, Mass.—Pub. Wks. Dept., City Hall, two electrically operated ferry bridges with gallows, frames and machinery, from J. E. Ogden Co., Inc., 147 Cedar St., New York City. $234,000.

Heating System—Winthrop, Mass.—See "Buildings—Commercial."

Dikes, Bulkhead, etc.—Brooklyn, N. Y.—J. A. Delaney, comr. Docks, Pier A, foot of Battery Pl., New York, July 9, dikes and bulkheads and dredging channel from Paerdegat Basin to point 550 ft. east of Rockaway Parkway, Jamaica Bay, here, from Arundel Corp., foot of Fulton St., $282,955. Noted July 3.

CONTRACTS AWARDED

Grandstand—Clearfield, Pa.—Clearfield Park Assn., grandstand, 3,000 seating capacity, to Dresser, Minton, Scobell Co., Cleveland, O., $60,000.

Foundation—Louisville, Ky.—J. G. Brown, c/o Brown Hotel, foundation for theatre, club and office building, 4th St. near Bway., to H. Bickel Co., 443 Garden St. Archts. est. $25,000. Noted Apr. 24, under "Buildings."

Park Improvements — Cleveland, O. — Cleveland Metropolitan Park Bd., Old Court House, Impvt. 1 of Rocky River Dist., 36,626 cu.yd. earth excav., 8,572 cu. yd. French drain excav., 26,188 lb. steel, 14,802 lin.ft. sewer tile, etc., to Southern Constr. Co., 1726 Northfield Ave., East Cleveland (Cleveland P. O.), $94,840; Impvt. 2, earth excav., sewer, etc., to R. J. Burke Co., Hunkin-Conkey Bldg., $47,700.

Riding Ring, etc.—Gates Mills, O.—W. T. White, 87821 St. Clair Ave., Cleveland, 1 and 2 story, 100 x 200 ft., brick riding ring, kennel and garage, here, to C. W. Grove Constr. Co., 1900 Euclid Ave., Cleveland. Archts. est. $150,000.

Dock — Mingo Junction, O. — Carnegie Steel Co., Carnegie Bldg., Pittsburg, Pa., 1,650 ft. coke unloading dock with 300 ft. tower unloading dock, etc., on Ohio River, here, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa. Noted Feb. 21.

Stadium — Wooster, O. — College of Wooster, stadium, 5,000 seating capacity, to New Philadelphia Constr. Co., New Philadelphia, $40,000. Noted May 29.

Conduit—Detroit, Mich.—Bd. Fire Comrs., Wayne and Larned Sts., 160,000 lin.ft. 4 in. fibre conduit, to Johns Manville Inc., 325 West Jefferson Ave., $18,798.

Heating, etc. — St. Louis, Mo. — See "Buildings—Commercial."

Steam Conduit Lines—St. Louis, Mo.—Union Electric Light & Power Co., 12th and Locust Sts., will build approximately 25 blocks steam conduit mains and fifty-one 6 ft. x 8 ft. manholes at various locations, by day labor. Private plans.

Material and Equipment

PROPOSED WORK

Crushed Rock, etc.—Minneapolis, Minn.—Rejected bids 5,000 cu.yd. crushed rock or gravel, and 2,500 cu.yd. sand. Noted June 5.

BIDS DESIRED

Crushed Rock, etc.—Minneapolis, Minn.—July 22, by F. S. Gram, city purch. agt., 11,650 cu.yd. crushed rock or gravel, and 6,500 cu.yd. sand. N. W. Elsberg, city engr.

Paving Materials—St. Paul, Minn.—July 22, by H. W. Austin, city purch. agt., paving materials for Hamline Ave., 2,585 bbl. Portland cement, 2,064 cu.yd. crushed rock or gravel, 1,245 cu.yd. concrete sand, 130 tons asphalt, 217 tons limestone dust, etc.; for Pillsbury Ave., and **Territorial Rd.**, 6,511 sq.yd. 3 in. vertical fibre brick, 1,470 bbl. Portland cement, 989 cu.yd. crushed rock or gravel, etc. G. M. Shepard, city engr.

Screen, Conveyors, Buckets, etc.—Glenwood, Ark.—Burnham Co., Glenwood, in market for screen, washing apparatus, conveyors, clam shell buckets, etc., for sand and gravel plant.

Wood Blocks—Winnipeg, Man.—Aug. 5, by Chairman Com. Pub. Impvts., at office C. J. Brown, city clk., 2,500 sq.yd. creosoted wood blocks; adv. E. N.-R. July 17.

BIDS RECEIVED

Tar—New York, N. Y.—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., July 10, 50,000 gal. tar for patching, from Barrett Co., 17 Battery Pl., $0.15 per gal., total $7,500. Noted July 3.

Concrete Mixer — Phila., Pa. — See "Streets and Roads."

Pipe—Dallas, Tex.—For 14,210 ft. 36 in. Class A pipe, from Amer. Castings Co., Atlanta, Ga., c.i. $14.35 per ft.; from Lock Joint Pipe Co., Wilson Bldg., concrete $12. Noted July 3.

CONTRACTS AWARDED

Inorganic Dust—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 tons inorganic dust, to New York Trap Rock Corp., 101 Park Ave., $22,170. Noted July 10.

Shapes, Angles, Bars, etc.—New York, N. Y.—Dept. Purchase, Municipal Bldg., July 11, steel and c.i. shapes, angles, bars, rods and rivets to Dept. Plant & Structures, from Ogden & Wallace, $11,484.

Bituminous Concrete, etc.—Trenton, N. J.—State Hy. Dept., 3,005 tons bituminous concrete, to New Jersey Amesite Co., Morristown, $46,000, 2,053 tons bituminous concrete and 122 tons sheet asphalt, to Union Paving Co., 30th and Locust Sts., Phila., $44,644, 1,423 tons bituminous concrete, to Standard Bitulithic Co., 50 Church St., New York City, $29,222, 10 tons bituminous concrete to Utility Constr. Co., 5 Spring St., New Brunswick, $220.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

Bids: July 31.

Sanitary Sewers and Sewage Disposal Plant

Media, Pa.

Sealed proposals will be received by the Borough Council of the Borough of Media, Pa., at the Borough Hall on the 31st day of July, 1924, until 7:00 o'clock P.M. (Eastern Standard Time), for the construction of sanitary sewers consisting of approximately 12.2 miles of 5-in., 8-in., 10-in. and 12-in. Terra Cotta and cast iron pipe sewers, 156 manholes and 18 flush tanks; and the construction of additional units at the sewage disposal plant and one sewage pumping station.

Each proposal must be accompanied by a certified check made payable to the Borough of Media, for a sum equal to 5 per cent of the amount bid. A bond for 100 per cent of the contract price will be required.

Plans and specifications will be on file and may be seen at the Secretary's office, Borough Hall, Media, Pa., or at the office of the Engineers, Remington & Vosbury, 509 Cooper Street, Camden, New Jersey. Complete sets of plans and specifications may be obtained from the Engineers upon a deposit of $15.00 of which sum $10.00 will be refunded upon the return of same in good condition by Aug. 11, 1924.

The Borough reserves the right to reject any or all bids, and to decide as to the desirability of the bidders.

EDWARD MINTON,
Secretary of Borough Council.

Bids: Aug. 4.

Sewer System and Disposal Works

Metuchen, N. J.

Sealed bids in opaque envelopes addressed to the Mayor and Borough Council of the Borough of Metuchen and accompanied by a certified check drawn upon a National Bank or a Trust Company established in the State of New Jersey, payable to the Treasurer of the Borough of Metuchen, for at least five per cent of the amount bid for each section bid upon, will be received up until 7 p.m. standard time, Monday, August 4, 1924, for furnishing all the work and materials necessary for the watertight and enduring

Construction, of either one separately or both together, of two sections, which in general comprises: Section I, a sewer system consisting of about thirteen miles of eight to eighteen inch pipe sewers and appurtenances; Section II, disposal works, pumping station, fifteen and eighteen inch outfall sewers and ditch, and all connections and appurtenances; including the furnishing of satisfactory insurance to save harmless the Borough against all loss or injury to it or to others, incident to or resulting from the railroad crossing or other work of construction of both sections, which sections are both to be built in accordance with the plans and specifications, Invitation to Contractors, and Forms for Bid and Contract on file here and with the Engineer, Room 1406, West Street Building, New York City; the State Board of Health, Trenton, New Jersey; and the Engineering News-Record, Real Estate Trust Building, Philadelphia, Pennsylvania. Copies of the Plans, Invitation and Forms will be furnished to the contractors by the Borough Clerk on receipt of ten dollars.

Contractor's Bids must fulfill the requirements of the Invitation and be made upon the printed Form for Bid obtained as above, and the Borough reserves the right to reject any or all bids, or to accept any bid, or bids, and, later, for each respective section, to increase or reduce the quantities and volume of work, at the prices bid, by an amount not exceeding twenty-five per cent of the amount bid for that section.

Plans, Specifications and Forms for Bids issued prior to this date are void.

Notice is hereby given that, in case it be desired to use cement pipe, as required in the maps, plans and specifications, then the unit price for terra cotta be bid, and in addition the percentage of reduction of unit prices from those bid for terra cotta pipe be stated alongside of the unit prices for terra cotta pipe, and separate total prices for the whole work if done with each class of pipe.

Notice is hereby given that the council will also simultaneously receive separate bids for the construction of the electrical work, required or necessary in connection with the construction of the sanitary sewerage system and disposal works, as outlined in the maps, plans and specifications.

Signed EDWARD A. BURROUGHS,
Clerk.

Bids: Aug. 1.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m., advanced standard time, which is twelve o'clock noon eastern standard time, on Friday, August 1, 1924, for the construction, completion and reconstruction of highways in the following counties:

Albany ....(One contract: 3.62)
Allegany..............(One contract: 3.43)
Broome..............(One contract: 2.04)
Cattaraugus..........(One contract: 3.43)
Chemung..............(One contract: 2.45)
Cortland..............(One contract: 4.50)
Delaware............(One highway: 5.18)
Erie..........(Two contracts: 2.04 & 5.02)
Lewis..........(One highway: 4.06. One contract: 9.43)
Oneida..........(One highway: 7.66. One contract: 3.86)
Orange...Completion (One highway: 7.96. One contract: 5.67)
Oswego..............(One highway: 6.01)
Suffolk..............(One highway: 9.39)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Bureau in Albany, N. Y., and also at the office of the division engineers in whose division the roads are located which are to be constructed, completed or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

A. W. BRANDT,
Commissioner of Highways.

Bids: July 24.

Paving

Northampton, Mass.

Sealed proposals, addressed to the Board of Public Works, endorsed "Proposal for Paving Locust Street," also proposals endorsed "Proposal for Paving Main Street, Leeds" will be received by the Board of Public Works at their office in the City Hall until 8:00 p.m. of July 24, 1924, at which time they will be publicly opened and read.

The work of the first proposal consists of the construction of approximately eight hundred (800) cubic yards of reinforced cement concrete pavement, nine hundred (900) square yards of cement concrete combined curb and sidewalk, and eight hundred (800) cubic yards of gravel fill.

The work of the second proposal consists of the construction of approximately four hundred (400) cubic yards of reinforced cement concrete pavement and the necessary excavation including that of a Street Railway located on said street.

Plans may be seen and forms for proposals, specifications, and contract may be secured at the office of the Board of Public Works.

THOMAS F. McGRATH,
Chairman.

Bids: August 4.

Paving

Plainfield, N. J.

Proposals will be received by the Common Council of the City of Plainfield, N. J., at the City Hall on Monday, August 4, 1924, at 8:30 o'clock p.m. (Daylight Saving Time), for paving East and West Fourth Streets from Watchung Avenue to Plainfield Avenue with sheet asphalt on cement concrete base.

Approximate estimate of quantities.
11,020 sq.yds. sheet asphalt pavement with 6 inch concrete base.
6,710 lin.ft. concrete curb and gutter.
Also various minor items.
Certified check required $5,000.00.

Construction bond required, 100% of cost of work.

Maintenance Bond required, 25% of cost of work.

Copies of Plans, Specifications, and Forms of Proposal may be obtained at the office of the City Engineer, City Hall, Plainfield, N. J.

The Common Council reserves the right to reject at its own option any or all bids, to waive defects in bids or to accept any bid as it shall deem for the best interest of the City, and bids for the work are only received subject to this condition.

The formal legal advertisement for proposals for this work will be published in the Plainfield Courier-News.

ALEXANDER W. VARS,
City Engineer.

Dated: July 15, 1924.

Bids: July 28.

Sanitary Sewers

Punxsutawney, Pa.

Borough of Punxsutawney, Jefferson County, Pennsylvania.

Sealed proposals addressed to the Secretary of the Town Council, Punxsutawney, Pa., endorsed "Proposal for Sanitary Sewer Construction," will be received by the Town Council at its office, until 7 p.m., Monday, July 28, 1924, and at that time will be publicly opened and read.

Work includes about 15,000 feet of sewer construction, ranging from eight-inch to 12-inch pipe, and bids will be received for the work entire, or for the construction alone, the Borough furnishing the materials.

Plans and specifications may be seen at the office of the Borough Engineer. Each bid must be accompanied by a certified check for one thousand dollars ($1,000) payable to the said Borough.

TOWN COUNCIL, BOROUGH OF
PUNXSUTAWNEY, by
J. F. CROSBY,
Secretary.

Bids: Aug. 4.

Concrete Pavement

White Plains, N. Y.

Sealed bids or proposals for the improvement of Old Mamaroneck Road, from Mamaroneck Road to Mamaroneck Avenue, with reinforced concrete pavement, a distance of 2.49 miles in the Village of Scarsdale and City of White Plains, Westchester County, New York, will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, N. Y., until 10 a.m., August 4th, 1924 (Daylight Saving Time).

Specifications, proposal sheets and all information relative to same may be procured at the office of the County Superintendent of Highways, Court House, White Plains, New York, upon making a Deposit of Ten Dollars ($10.00).

BOARD OF SUPERVISORS.
FRED L. MERRITT,
Clerk.